

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

06/12/2023

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	19.86	18.44	17.52	17.03	17.10	18.27	21.14	24.18	25.11	25.34	26.30	27.96	29.39	28.08	29.33	30.58	33.10	37.08	34.28	32.54	31.14	26.93	23.48	20.80
24138	1.31	1.11	1.06	0.87	1.02	1.05	1.07	1.31	1.79	1.81	1.94	2.10	2.15	1.94	2.03	1.92	1.87	2.41	2.25	2.03	2.00	1.82	1.75	1.34
	-0.34	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
74TH STREET_GT_1	19.89	18.47	17.53	17.04	17.12	18.27	21.14	24.18	25.09	25.33	26.28	27.96	29.39	28.09	29.31	30.58	33.10	37.05	34.28	32.56	31.17	26.97	23.50	20.82
24260	1.35	1.14	1.08	0.88	1.03	1.05	1.08	1.31	1.77	1.79	1.92	2.10	2.15	1.94	2.01	1.92	1.87	2.39	2.25	2.06	2.03	1.86	1.77	1.36
	-0.34	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
74TH STREET_GT_2	19.89	18.47	17.53	17.04	17.12	18.27	21.14	24.18	25.09	25.33	26.28	27.96	29.39	28.09	29.31	30.58	33.10	37.05	34.28	32.56	31.17	26.97	23.50	20.82
24261	1.35	1.14	1.08	0.88	1.03	1.05	1.08	1.31	1.77	1.79	1.92	2.10	2.15	1.94	2.01	1.92	1.87	2.39	2.25	2.06	2.03	1.86	1.77	1.36
	-0.34	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
ADK HUDSON___FALLS	20.23	19.12	18.09	18.35	17.72	19.10	35.53	33.89	36.79	37.63	37.80	37.08	38.85	41.82	42.93	45.98	56.06	54.79	51.75	45.95	42.22	32.48	25.38	21.33
24011	1.58	1.33	1.36	1.07	1.27	1.35	1.37	1.54	1.50	1.56	1.75	1.70	1.77	1.53	1.46	1.54	1.47	2.00	1.97	1.89	1.91	1.82	1.98	1.70
	-0.43	-2.11	-1.29	-5.09	-1.68	-2.35	-18.81	-15.28	-15.22	-15.76	-14.47	-13.33	-14.16	-19.67	-20.56	-23.60	-34.95	-27.13	-24.20	-20.67	-17.03	-8.47	-2.55	-0.76
ADK RESOURCE___RCVRY	20.37	19.23	18.20	18.44	17.83	19.22	35.34	33.70	36.75	37.58	37.77	37.19	39.01	41.88	43.08	46.20	56.28	55.07	51.76	46.24	42.46	32.69	25.58	21.48
23798	1.73	1.44	1.47	1.16	1.37	1.48	1.51	1.69	1.65	1.72	1.94	1.87	1.95	1.69	1.63	1.71	1.61	2.21	2.17	2.11	2.10	2.00	2.17	1.85
	-0.43	-2.11	-1.29	-5.09	-1.68	-2.35	-18.48	-14.94	-15.04	-15.55	-14.25	-13.26	-14.13	-19.56	-20.54	-23.66	-35.04	-27.20	-24.01	-20.74	-17.09	-8.50	-2.56	-0.76
ADK S GLENS___FALLS	20.23	19.12	18.09	18.35	17.72	19.10	35.53	33.89	36.79	37.63	37.80	37.08	38.85	41.82	42.93	45.98	56.06	54.79	51.75	45.95	42.22	32.48	25.38	21.33
24028	1.58	1.33	1.36	1.07	1.27	1.35	1.37	1.54	1.50	1.56	1.75	1.70	1.77	1.53	1.46	1.54	1.47	2.00	1.97	1.89	1.91	1.82	1.98	1.70
	-0.43	-2.11	-1.29	-5.09	-1.68	-2.35	-18.81	-15.28	-15.22	-15.76	-14.47	-13.33	-14.16	-19.67	-20.56	-23.60	-34.95	-27.13	-24.20	-20.67	-17.03	-8.47	-2.55	-0.76
ADK_NYS___DAM	19.70	18.62	17.66	17.86	17.34	18.62	39.66	38.99	38.28	39.55	39.92	36.47	37.35	41.46	40.65	41.63	49.74	49.67	52.26	41.58	38.47	30.45	24.26	20.79
23527	1.07	0.91	0.97	0.77	0.95	0.97	0.97	1.02	1.30	1.32	1.34	1.41	1.47	1.34	1.36	1.31	1.26	1.62	1.61	1.50	1.44	1.42	1.35	1.19
	-0.42	-2.04	-1.24	-4.90	-1.62	-2.26	-23.34	-20.89	-16.91	-17.93	-17.01	-13.00	-12.96	-19.50	-18.38	-19.48	-28.85	-22.40	-25.07	-16.69	-13.75	-6.84	-2.06	-0.73
AIR_PRODUCTS___DRP	19.06	18.08	17.08	17.41	16.80	18.02	12.95	14.80	20.65	20.06	20.33	27.96	30.64	28.47	32.52	36.81	42.96	44.00	33.28	38.17	35.54	28.58	23.12	20.04
24190	0.44	0.36	0.39	0.29	0.40	0.37	0.40	0.43	0.54	0.53	0.54	0.62	0.64	0.58	0.61	0.58	0.53	0.64	0.61	0.61	0.58	0.58	0.52	0.43
	-0.42	-2.04	-1.25	-4.92	-1.62	-2.26	2.81	2.70	-0.04	0.78	1.79	-5.28	-7.07	-7.27	-11.00	-15.39	-22.80	-17.70	-7.09	-14.18	-11.68	-5.81	-1.75	-0.74
AKWESSNE_115KV_BK	17.93	15.44	15.17	12.00	14.52	15.21	15.17	16.83	19.77	19.98	21.25	21.71	22.54	20.32	20.56	20.52	19.28	25.25	25.17	22.89	22.88	21.79	20.51	18.54
355683	-0.27	-0.24	-0.28	-0.20	-0.25	-0.18	-0.18	-0.24	-0.30	-0.32	-0.32	-0.35	-0.39	-0.31	-0.36	-0.31	-0.35	-0.41	-0.41	-0.49	-0.40	-0.40	-0.33	-0.32
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	19.06	18.08	17.08	17.41	16.80	18.02	12.95	14.80	20.65	20.06	20.33	27.96	30.64	28.47	32.52	36.81	42.96	44.00	33.28	38.17	35.54	28.58	23.12	20.04
23571	0.44	0.36	0.39	0.29	0.40	0.37	0.40	0.43	0.54	0.53	0.54	0.62	0.64	0.58	0.61	0.58	0.53	0.64	0.61	0.61	0.58	0.58	0.52	0.43
	-0.42	-2.04	-1.25	-4.92	-1.62	-2.26	2.81	2.70	-0.04	0.78	1.79	-5.28	-7.07	-7.27	-11.00	-15.39	-22.80	-17.70	-7.09	-14.18	-11.68	-5.81	-1.75	-0.74
ALBANY___2	19.06	18.08	17.08	17.41	16.80	18.02	12.95	14.80	20.65	20.06	20.33	27.96	30.64	28.47	32.52	36.81	42.96	44.00	33.28	38.17	35.54	28.58	23.12	20.04
23572	0.44	0.36	0.39	0.29	0.40	0.37	0.40	0.43	0.54	0.53	0.54	0.62	0.64	0.58	0.61	0.58	0.53	0.64	0.61	0.61	0.58	0.58	0.52	0.43
	-0.42	-2.04	-1.25	-4.92	-1.62	-2.26	2.81	2.70	-0.04	0.78	1.79	-5.28	-7.07	-7.27	-11.00	-15.39	-22.80	-17.70	-7.09	-14.18	-11.68	-5.81	-1.75	-0.74
ALBANY___3	19.06	18.08	17.08	17.41	16.80	18.02	12.95	14.80	20.65	20.06	20.33	27.96	30.64	28.47	32.52	36.81	42.96	44.00	33.28	38.17	35.54	28.58	23.12	20.04
23573	0.44	0.36	0.39	0.29	0.40	0.37	0.40	0.43	0.54	0.53	0.54	0.62	0.64	0.58	0.61	0.58	0.53	0.64	0.61	0.61	0.58	0.58	0.52	0.43
	-0.42	-2.04	-1.25	-4.92	-1.62	-2.26	2.81	2.70	-0.04	0.78	1.79	-5.28	-7.07	-7.27	-11.00	-15.39	-22.80	-17.70	-7.09	-14.18	-11.68	-5.81	-1.75	-0.74

ALBANY___4 23574	19.06 0.44 -0.42	18.08 0.36 -2.04	17.08 0.39 -1.25	17.41 0.29 -4.92	16.80 0.40 -1.62	18.02 0.37 -2.26	12.95 0.40 2.81	14.80 0.43 2.70	20.65 0.54 -0.04	20.06 0.53 0.78	20.33 0.54 1.79	27.96 0.62 -5.28	30.64 0.64 -7.07	28.47 0.58 -7.27	32.52 0.61 -11.00	36.81 0.58 -15.39	42.96 0.53 -22.80	44.00 0.64 -17.70	33.28 0.61 -7.09	38.17 0.61 -14.18	35.54 0.58 -11.68	28.58 0.58 -5.81	23.12 0.52 -1.75	20.04 0.43 -0.74
ALBANY___LFGE 323615	19.23 0.60 -0.42	18.26 0.52 -2.06	17.25 0.54 -1.26	17.58 0.41 -4.97	16.96 0.55 -1.64	18.19 0.51 -2.29	14.74 0.52 1.14	15.92 0.56 1.72	22.31 0.72 -1.53	21.81 0.73 -0.78	22.01 0.78 0.34	29.73 0.86 -6.82	32.48 0.92 -8.64	30.98 0.80 -9.55	34.99 0.84 -13.24	39.48 0.81 -17.84	46.82 0.76 -26.42	47.09 0.92 -20.51	36.46 0.89 -9.98	40.54 0.87 -16.28	37.53 0.84 -13.41	29.68 0.82 -6.67	23.59 0.73 -2.01	20.23 0.62 -0.74
ALCOA_PA_115KV_PL-6C 55860	18.06 -0.15 0.00	15.55 -0.13 0.00	15.26 -0.19 0.00	12.08 -0.11 0.00	14.63 -0.15 0.00	15.30 -0.09 0.00	15.28 -0.08 0.00	16.95 -0.12 0.00	19.89 -0.18 0.00	20.10 -0.20 0.00	21.40 -0.17 0.00	21.84 -0.22 0.00	22.67 -0.25 0.00	20.44 -0.19 0.00	20.68 -0.23 0.00	20.64 -0.19 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.27 -0.31 0.00	22.96 -0.42 0.00	23.02 -0.26 0.00	21.92 -0.27 0.00	20.64 -0.21 0.00	18.68 -0.19 0.00
ALCOA_RYNLDS___DRP 24188	18.06 -0.15 0.00	15.55 -0.13 0.00	15.26 -0.19 0.00	12.08 -0.11 0.00	14.63 -0.15 0.00	15.30 -0.09 0.00	15.28 -0.08 0.00	16.95 -0.12 0.00	19.89 -0.18 0.00	20.10 -0.20 0.00	21.40 -0.17 0.00	21.84 -0.22 0.00	22.67 -0.25 0.00	20.44 -0.19 0.00	20.68 -0.23 0.00	20.64 -0.19 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.27 -0.31 0.00	22.96 -0.42 0.00	23.02 -0.26 0.00	21.92 -0.27 0.00	20.64 -0.21 0.00	18.68 -0.19 0.00
ALCOA___DSASP 323711	18.06 -0.15 0.00	15.55 -0.13 0.00	15.26 -0.18 0.00	12.08 -0.11 0.00	14.63 -0.15 0.00	15.30 -0.09 0.00	15.28 -0.08 0.00	16.95 -0.12 0.00	19.89 -0.18 0.00	20.10 -0.20 0.00	21.40 -0.17 0.00	21.84 -0.22 0.00	22.67 -0.25 0.00	20.44 -0.19 0.00	20.66 -0.25 0.00	20.64 -0.19 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.27 -0.31 0.00	22.99 -0.40 0.00	23.02 -0.26 0.00	21.97 -0.22 0.00	20.66 -0.19 0.00	18.68 -0.19 0.00
ALLEGHENY___COGEN 23514	18.54 0.27 -0.06	16.20 0.24 -0.29	15.91 0.29 -0.18	13.13 0.24 -0.70	15.31 0.31 -0.23	15.96 0.25 -0.32	16.36 0.17 -0.83	18.18 0.10 -1.01	20.47 -0.18 -0.58	20.82 -0.06 -0.58	21.69 -0.39 -0.50	22.18 -0.55 -0.67	23.14 -0.55 -0.76	21.02 -0.58 -0.97	21.58 -0.46 -1.13	21.72 -0.50 -1.38	21.37 -0.31 -2.05	29.54 -0.36 -4.24	32.97 0.31 -7.09	25.37 0.73 -1.26	25.08 0.77 -1.03	23.44 0.73 -0.51	21.54 0.54 -0.15	19.38 0.41 -0.10
ALTAMONT_115KV_TB 2 55880	19.26 0.64 -0.42	18.27 0.55 -2.04	17.27 0.57 -1.25	17.57 0.45 -4.92	16.94 0.55 -1.62	18.21 0.55 -2.27	18.36 0.57 -2.43	20.29 0.61 -2.61	23.83 0.78 -2.98	23.68 0.79 -2.59	24.11 0.82 -1.71	28.70 0.88 -5.76	30.88 0.92 -7.04	29.62 0.83 -8.16	32.44 0.84 -10.69	35.67 0.81 -14.02	41.17 0.77 -20.77	42.76 0.98 -16.12	35.42 0.97 -8.87	37.10 0.94 -12.78	34.71 0.91 -10.53	28.31 0.89 -5.23	23.24 0.81 -1.58	20.30 0.70 -0.74
ALTONA_WT_PWR 323606	18.44 0.24 0.00	15.85 0.17 0.00	15.41 -0.03 0.00	12.21 0.01 0.00	14.71 -0.06 0.00	15.41 0.02 0.00	15.22 -0.14 0.00	16.83 -0.24 0.00	19.71 -0.36 0.00	19.98 -0.33 0.00	21.30 -0.28 0.00	21.66 -0.40 0.00	22.47 -0.46 0.00	20.30 -0.33 0.00	20.54 -0.38 0.00	20.56 -0.27 0.00	19.26 -0.37 0.00	25.20 -0.46 0.00	25.17 -0.41 0.00	22.80 -0.58 0.00	22.81 -0.47 0.00	21.72 -0.47 0.00	20.51 -0.33 0.00	18.53 -0.34 0.00
AMERICAN_REF_FUEL 24010	17.15 -1.11 -0.05	14.98 -0.96 -0.26	14.89 -0.71 -0.16	12.37 -0.45 -0.63	14.40 -0.58 -0.21	14.84 -0.85 -0.29	15.23 -0.87 -0.75	16.81 -1.18 -0.92	19.14 -1.45 -0.52	19.74 -1.08 -0.52	20.88 -1.14 -0.44	21.36 -1.30 -0.60	22.32 -1.28 -0.68	20.05 -1.44 -0.87	20.37 -1.55 -1.00	20.48 -1.58 -1.23	20.08 -1.37 -1.82	24.34 -2.10 -0.79	23.70 -1.51 0.37	23.26 -1.24 -1.12	22.85 -1.35 -0.92	21.52 -1.13 -0.46	20.05 -0.94 -0.14	18.00 -0.96 -0.09
ARKWRIGHT___SUMMIT_WT_PWR 323751	17.65 -0.62 -0.06	15.36 -0.61 -0.30	15.12 -0.51 -0.18	12.58 -0.33 -0.71	14.56 -0.44 -0.23	15.07 -0.65 -0.33	15.42 -0.78 -0.85	17.32 -0.80 -1.05	19.88 -0.78 -0.59	20.57 -0.33 -0.59	21.74 -0.35 -0.51	22.27 -0.49 -0.70	23.28 -0.44 -0.79	21.00 -0.64 -1.01	21.27 -0.82 -1.17	21.35 -0.92 -1.44	20.98 -0.79 -2.13	25.56 -1.21 -1.10	24.44 -1.12 0.01	24.39 -0.30 -1.31	24.03 -0.33 -1.08	22.62 -0.11 -0.54	20.91 -0.10 -0.16	18.54 -0.43 -0.11
ARTHUR_KILL_GT_1 23520	19.90 1.35 -0.35	18.46 1.13 -1.65	17.49 1.03 -1.01	17.01 0.84 -3.97	17.06 0.97 -1.31	18.13 0.91 -1.83	20.97 0.91 -4.70	23.95 1.09 -5.78	24.84 1.52 -3.25	25.07 1.54 -3.22	26.04 1.68 -2.78	27.75 1.90 -3.80	29.17 1.95 -4.30	27.91 1.77 -5.51	29.17 1.88 -6.38	30.43 1.77 -7.83	33.02 1.79 -11.60	36.94 2.28 -9.00	34.14 2.12 -6.44	32.41 1.92 -7.11	31.02 1.88 -5.85	26.79 1.69 -2.92	23.48 1.75 -0.88	20.73 1.26 -0.60
ARTHUR_KILL_2 23512	19.85 1.29 -0.35	18.41 1.08 -1.65	17.44 0.99 -1.01	16.98 0.82 -3.97	17.03 0.95 -1.31	18.10 0.88 -1.83	20.94 0.87 -4.70	23.91 1.06 -5.78	24.80 1.48 -3.25	25.01 1.48 -3.22	25.99 1.64 -2.78	27.69 1.83 -3.80	29.13 1.90 -4.30	27.85 1.71 -5.51	29.11 1.82 -6.38	30.37 1.71 -7.83	32.96 1.73 -11.60	36.87 2.21 -9.00	34.07 2.05 -6.44	32.34 1.85 -7.11	30.93 1.79 -5.85	26.75 1.64 -2.92	23.41 1.69 -0.88	20.67 1.21 -0.60
ARTHUR_KILL_3 23513	19.71 1.17 -0.34	18.32 0.99 -1.65	17.40 0.94 -1.01	16.93 0.77 -3.97	16.98 0.90 -1.31	18.13 0.91 -1.83	21.01 0.95 -4.70	24.02 1.16 -5.79	24.91 1.58 -3.25	25.16 1.62 -3.23	26.09 1.73 -2.79	27.74 1.87 -3.80	29.13 1.90 -4.31	27.86 1.71 -5.52	29.12 1.82 -6.39	30.38 1.71 -7.84	32.93 1.69 -11.60	36.80 2.13 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.93 1.79 -5.86	26.77 1.67 -2.92	23.33 1.61 -0.88	20.67 1.21 -0.60
ARTHUR_KILL_COGEN 323718	19.90 1.35 -0.35	18.46 1.13 -1.65	17.49 1.03 -1.01	17.01 0.84 -3.97	17.06 0.97 -1.31	18.13 0.91 -1.83	20.97 0.91 -4.70	23.95 1.09 -5.78	24.84 1.52 -3.25	25.07 1.54 -3.22	26.04 1.68 -2.78	27.75 1.90 -3.80	29.17 1.95 -4.30	27.91 1.77 -5.51	29.17 1.88 -6.38	30.43 1.77 -7.83	33.02 1.79 -11.60	36.94 2.28 -9.00	34.14 2.12 -6.44	32.41 1.92 -7.11	31.02 1.88 -5.85	26.79 1.69 -2.92	23.48 1.75 -0.88	20.73 1.26 -0.60
ASHOKAN____ 23654	18.89 0.31 -0.38	17.64 0.12 -1.84	16.71 0.14 -1.13	16.65 0.02 -4.43	16.28 0.04 -1.46	17.47 0.03 -2.04	17.56 0.80 -1.40	19.97 0.80 -2.09	23.00 1.10 -1.83	22.94 1.18 -1.46	23.55 1.21 -0.76	26.53 0.07 -4.40	28.45 0.05 -5.48	27.02 0.19 -6.21	29.62 0.36 -8.36	32.25 0.31 -11.11	36.39 0.31 -16.45	38.71 0.28 -12.77	32.59 0.38 -6.62	33.75 0.19 -10.18	31.81 0.14 -8.39	26.61 0.24 -4.17	22.23 0.13 -1.26	19.59 0.06 -0.66

ASTORIA_EAST_ENERGY_CC1 323581	19.96 1.40 -0.35	18.53 1.19 -1.66	17.55 1.10 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.03 0.97 -4.70	24.04 1.18 -5.79	24.87 1.55 -3.25	25.07 1.54 -3.22	26.05 1.68 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.42 1.75 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.10 2.07 -6.45	32.35 1.85 -7.12	30.96 1.82 -5.86	26.77 1.67 -2.92	23.54 1.81 -0.88	20.76 1.30 -0.60
ASTORIA_EAST_ENERGY_CC2 323582	19.96 1.40 -0.35	18.53 1.19 -1.66	17.55 1.10 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.03 0.97 -4.70	24.04 1.18 -5.79	24.87 1.55 -3.25	25.07 1.54 -3.22	26.05 1.68 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.42 1.75 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.10 2.07 -6.45	32.35 1.85 -7.12	30.96 1.82 -5.86	26.77 1.67 -2.92	23.54 1.81 -0.88	20.76 1.30 -0.60
ASTORIA_GT2_1 24094	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT2_2 24095	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT2_3 24096	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT2_4 24097	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT3_1 24098	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT3_2 24099	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT3_3 24100	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT3_4 24101	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT4_1 24102	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT4_2 24103	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT4_3 24104	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT4_4 24105	19.96 1.40 -0.35	18.52 1.19 -1.65	17.55 1.10 -1.01	17.11 0.94 -3.98	17.20 1.11 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.89 1.57 -3.26	25.08 1.54 -3.23	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.05 2.02 -6.45	32.33 1.82 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
ASTORIA_GT_1 23523	19.99 1.44 -0.35	18.54 1.21 -1.66	17.58 1.13 -1.01	17.13 0.95 -3.98	17.20 1.11 -1.32	18.27 1.05 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.93 1.61 -3.25	25.11 1.58 -3.22	26.11 1.75 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.58 1.85 -0.88	20.80 1.34 -0.60

ASTORIA_GT_10 24110	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.26	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.03 1.89 -5.86	26.84 1.73 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
ASTORIA_GT_11 24225	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.26	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.03 1.89 -5.86	26.84 1.73 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
ASTORIA_GT_12 24226	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.18 2.15 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
ASTORIA_GT_13 24227	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.18 2.15 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
ASTORIA_GT_5 24106	19.99 1.44 -0.35	18.54 1.21 -1.66	17.58 1.13 -1.01	17.13 0.95 -3.98	17.20 1.11 -1.32	18.27 1.05 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.93 1.61 -3.25	25.11 1.58 -3.22	26.11 1.75 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.58 1.85 -0.88	20.80 1.34 -0.60
ASTORIA_GT_7 24107	19.99 1.44 -0.35	18.54 1.21 -1.66	17.58 1.13 -1.01	17.13 0.95 -3.98	17.20 1.11 -1.32	18.27 1.05 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.93 1.61 -3.25	25.11 1.58 -3.22	26.11 1.75 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.58 1.85 -0.88	20.80 1.34 -0.60
ASTORIA_GT_8 24108	19.99 1.44 -0.35	18.54 1.21 -1.65	17.58 1.13 -1.01	17.13 0.95 -3.98	17.21 1.12 -1.32	18.27 1.05 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.93 1.61 -3.26	25.12 1.58 -3.23	26.11 1.75 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.08 2.05 -6.45	32.37 1.87 -7.12	31.03 1.89 -5.86	26.84 1.73 -2.92	23.58 1.86 -0.88	20.80 1.34 -0.60
ASTORIA___2 24149	19.96 1.40 -0.35	18.53 1.19 -1.66	17.55 1.10 -1.01	17.11 0.94 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.03 0.97 -4.70	24.06 1.19 -5.79	24.89 1.57 -3.25	25.07 1.54 -3.22	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	33.01 1.77 -11.60	36.93 2.26 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.79 1.69 -2.92	23.56 1.84 -0.88	20.78 1.32 -0.60
ASTORIA___3 23516	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.18 2.15 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
ASTORIA___4 23517	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.26	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.03 1.89 -5.86	26.84 1.73 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
ASTORIA___5 23518	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.18 2.15 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
AST_ENERGY_2_CC3 323677	19.77 1.22 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.03 0.97 -4.70	24.04 1.18 -5.79	24.93 1.61 -3.25	25.16 1.62 -3.23	26.11 1.75 -2.79	27.76 1.90 -3.80	29.18 1.95 -4.31	27.90 1.75 -5.52	29.14 1.84 -6.39	30.40 1.73 -7.84	32.94 1.71 -11.60	36.85 2.18 -9.01	34.08 2.05 -6.45	32.35 1.85 -7.12	30.96 1.82 -5.86	26.77 1.67 -2.92	23.35 1.63 -0.88	20.69 1.23 -0.60
AST_ENERGY_2_CC4 323678	19.77 1.22 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.03 0.97 -4.70	24.04 1.18 -5.79	24.93 1.61 -3.25	25.16 1.62 -3.23	26.11 1.75 -2.79	27.76 1.90 -3.80	29.18 1.95 -4.31	27.90 1.75 -5.52	29.14 1.84 -6.39	30.40 1.73 -7.84	32.94 1.71 -11.60	36.85 2.18 -9.01	34.08 2.05 -6.45	32.35 1.85 -7.12	30.96 1.82 -5.86	26.77 1.67 -2.92	23.35 1.63 -0.88	20.69 1.23 -0.60
ATHENS_STG_1 23668	19.33 0.75 -0.38	18.15 0.63 -1.84	17.20 0.63 -1.13	17.13 0.50 -4.44	16.84 0.61 -1.46	18.06 0.62 -2.05	21.01 0.60 -5.05	24.23 0.68 -6.47	24.33 0.90 -3.36	24.58 0.93 -3.34	25.43 0.97 -2.88	27.03 1.04 -3.94	28.46 1.08 -4.46	27.31 0.97 -5.71	28.55 1.02 -6.61	29.92 0.98 -8.11	32.56 0.92 -12.01	36.16 1.18 -9.32	33.41 1.15 -6.68	31.84 1.08 -7.38	30.41 1.05 -6.08	26.21 1.00 -3.02	22.70 0.94 -0.91	20.32 0.79 -0.67
ATHENS_STG_2 23670	19.33 0.75 -0.38	18.15 0.63 -1.84	17.20 0.63 -1.13	17.13 0.50 -4.44	16.84 0.61 -1.46	18.06 0.62 -2.05	21.01 0.60 -5.05	24.23 0.68 -6.47	24.33 0.90 -3.36	24.58 0.93 -3.34	25.43 0.97 -2.88	27.03 1.04 -3.94	28.46 1.08 -4.46	27.31 0.97 -5.71	28.55 1.02 -6.61	29.92 0.98 -8.11	32.56 0.92 -12.01	36.16 1.18 -9.32	33.41 1.15 -6.68	31.84 1.08 -7.38	30.41 1.05 -6.08	26.21 1.00 -3.02	22.70 0.94 -0.91	20.32 0.79 -0.67

ATHENS_STG_3 23677	19.33 0.75 -0.38	18.15 0.63 -1.84	17.20 0.63 -1.13	17.13 0.50 -4.44	16.84 0.61 -1.46	18.06 0.62 -2.05	21.01 0.60 -5.05	24.23 0.68 -6.47	24.33 0.90 -3.36	24.58 0.93 -3.34	25.43 0.97 -2.88	27.03 1.04 -3.94	28.46 1.08 -4.46	27.31 0.97 -5.71	28.55 1.02 -6.61	29.92 0.98 -8.11	32.56 0.92 -12.01	36.16 1.18 -9.32	33.41 1.15 -6.68	31.84 1.08 -7.38	30.41 1.05 -6.08	26.21 1.00 -3.02	22.70 0.94 -0.91	20.32 0.79 -0.67
AUBURN____LFGE 323710	18.52 0.27 -0.04	16.14 0.25 -0.21	15.73 0.15 -0.13	12.78 0.07 -0.52	15.06 0.12 -0.17	15.83 0.20 -0.24	16.09 0.12 -0.61	18.02 0.20 -0.74	20.70 0.22 -0.41	20.95 0.24 -0.41	22.23 0.30 -0.35	22.87 0.33 -0.48	23.74 0.28 -0.54	21.57 0.25 -0.70	21.95 0.23 -0.81	22.07 0.25 -0.99	21.37 0.27 -1.47	27.19 0.28 -1.25	26.91 0.28 -1.05	24.70 0.42 -0.90	24.37 0.35 -0.74	22.87 0.31 -0.37	21.15 0.19 -0.11	19.11 0.17 -0.08
BABYLON_RES_REC 323704	28.77 1.62 -8.95	26.76 1.36 -9.71	22.72 1.27 -6.00	21.13 1.02 -7.91	20.75 1.21 -4.76	26.46 1.29 -9.78	28.35 1.26 -11.73	28.38 1.48 -9.82	30.87 1.95 -8.86	33.11 1.97 -10.84	36.98 2.01 -13.40	33.58 2.10 -9.43	36.93 2.18 -11.83	34.38 1.96 -11.79	36.96 2.07 -13.98	39.03 2.06 -16.14	40.86 2.00 -19.22	42.64 2.62 -14.36	43.10 2.53 -14.99	37.02 2.29 -11.34	40.67 2.28 -15.10	33.91 2.06 -9.66	31.70 1.96 -8.89	30.34 1.58 -9.89
BABYLON__69_KV_BK2 356345	28.94 1.78 -8.95	26.90 1.51 -9.71	22.85 1.41 -6.00	21.24 1.13 -7.91	20.89 1.36 -4.76	26.60 1.43 -9.77	28.50 1.41 -11.73	28.56 1.67 -9.82	31.13 2.21 -8.86	33.40 2.25 -10.84	37.24 2.27 -13.40	33.85 2.36 -9.43	37.27 2.52 -11.83	34.67 2.25 -11.79	37.27 2.38 -13.98	39.30 2.33 -16.14	41.11 2.26 -19.22	42.97 2.95 -14.36	43.43 2.86 -14.99	37.37 2.64 -11.34	40.99 2.61 -15.10	34.22 2.37 -9.66	31.93 2.19 -8.89	30.55 1.79 -9.89
BARON_WINDS____WT_PWR 323822	17.86 -0.42 -0.08	15.64 -0.41 -0.37	15.34 -0.33 -0.22	12.86 -0.22 -0.89	14.78 -0.28 -0.29	15.39 -0.41 -0.41	15.97 -0.46 -1.07	17.84 -0.53 -1.30	20.28 -0.54 -0.76	20.75 -0.30 -0.75	21.94 -0.28 -0.65	22.61 -0.33 -0.88	23.69 -0.23 -0.99	21.57 -0.33 -1.27	21.99 -0.40 -1.47	22.22 -0.42 -1.81	21.98 -0.33 -2.68	22.78 -0.56 2.32	16.65 -0.56 8.37	24.93 -0.09 -1.64	24.42 -0.21 -1.35	22.75 -0.67 -0.20	20.93 -0.12 -0.13	18.72 -0.28
BARRETT_IC_1 23704	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_10 23701	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_11 23702	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_12 23703	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_2 23705	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_3 23706	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_4 23707	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_5 23708	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_6 23709	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_7 23710	28.63 1.47 -8.95	26.63 1.24 -9.71	22.68 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.37 1.20 -9.77	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.71 -8.86	32.81 1.66 -10.84	36.66 1.68 -13.40	33.36 1.88 -9.43	36.63 1.88 -11.83	34.15 1.73 -11.79	36.71 1.82 -13.98	38.70 1.73 -16.14	40.53 1.67 -19.22	42.18 2.16 -14.36	42.61 2.05 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.62 1.78 -9.66	31.64 1.90 -8.89	30.30 1.55 -9.89

BARRETT_IC_8 23711	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT_IC_9 23700	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT___1 23545	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BARRETT___2 23546	28.63 1.47 -8.95	26.63 1.24 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.72 1.18 -4.76	26.37 1.20 -9.78	28.24 1.15 -11.73	28.24 1.35 -9.82	30.63 1.70 -8.86	32.81 1.67 -10.84	36.66 1.68 -13.40	33.36 1.87 -9.43	36.63 1.88 -11.83	34.11 1.69 -11.79	36.67 1.78 -13.98	38.70 1.73 -16.14	40.55 1.69 -19.22	42.20 2.18 -14.36	42.64 2.07 -14.99	36.64 1.92 -11.34	40.22 1.84 -15.10	33.60 1.75 -9.66	31.66 1.92 -8.90	30.30 1.55 -9.89
BATAVIA___115KV_TB1 55881	17.87 -0.38 -0.05	15.59 -0.33 -0.24	15.45 -0.14 -0.15	12.74 -0.04 -0.58	14.92 -0.04 -0.19	15.49 -0.17 -0.27	15.79 -0.25 -0.68	17.57 -0.34 -0.84	20.05 -0.48 -0.47	20.63 -0.14 -0.40	21.83 -0.15 -0.40	22.30 -0.31 -0.55	23.29 -0.25 -0.62	20.98 -0.43 -0.79	21.30 -0.52 -0.91	21.39 -0.56 -1.12	20.90 -0.39 -1.66	25.76 -0.74 -0.84	25.16 -0.36 0.06	24.33 -0.07 -1.02	23.98 -0.14 -0.84	22.59 -0.02 -0.42	20.79 -0.19 -0.12	18.80 -0.15 -0.09
BAYONEEC___CTG1 323682	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG10 323750	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG2 323683	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG3 323684	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG4 323685	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG5 323686	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG6 323687	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG7 323688	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG8 323689	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60
BAYONEEC___CTG9 323749	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.24 -0.60

BEACON___LESR 323632	19.30 0.67 -0.42	18.28 0.56 -2.04	17.29 0.60 -1.25	17.57 0.46 -4.92	17.00 0.61 -1.62	18.24 0.58 -2.27	11.85 0.61 4.12	13.74 0.67 4.00	20.18 0.84 0.73	19.53 0.87 1.65	19.82 0.93 2.68	28.03 1.02 -4.95	30.85 1.06 -6.87	28.30 0.95 -6.73	32.65 0.96 -10.78	37.20 0.96 -15.41	43.36 0.90 -22.82	44.50 1.13 -17.72	32.92 1.10 -6.24	38.68 1.05 -14.25	36.04 1.02 -11.73	29.03 1.00 -5.84	23.48 0.88 -1.76	20.34 0.74 -0.74
BEAVER RIVER___HYD 24048	18.60 0.38 -0.01	16.04 0.30 -0.07	15.78 0.29 -0.04	12.44 0.09 -0.16	14.94 0.12 -0.05	15.62 0.15 -0.07	15.63 0.18 -0.09	17.47 0.17 -0.23	20.21 0.14 0.00	20.37 0.06 0.00	21.62 0.04 0.00	22.06 0.00 0.00	22.88 -0.05 0.00	20.59 -0.04 0.00	20.83 -0.08 0.00	20.81 -0.02 0.00	19.57 -0.06 0.00	25.71 0.05 0.00	25.66 0.08 0.00	23.57 0.19 0.00	23.67 0.40 0.00	22.61 0.42 0.00	21.24 0.40 0.00	19.23 0.34 -0.02
BEEBEE_GT_13 23619	18.03 -0.22 -0.04	15.70 -0.19 -0.21	15.49 -0.08 -0.13	12.67 -0.02 -0.50	14.91 -0.03 -0.16	15.48 -0.14 -0.23	15.74 -0.20 -0.58	17.57 -0.22 -0.72	20.07 -0.38 -0.39	20.55 -0.14 -0.39	21.80 -0.11 -0.33	22.29 -0.22 -0.45	23.25 -0.18 -0.51	21.02 -0.27 -0.66	21.32 -0.36 -0.76	21.41 -0.35 -0.93	20.76 -0.26 -1.38	26.17 -0.56 -1.07	25.99 -0.36 -0.77	24.14 -0.09 -0.85	23.81 -0.16 -0.70	22.43 -0.11 -0.35	20.72 -0.23 -0.10	18.86 -0.08 -0.07
BENSHRST_27_KV_BENSHRST_1 355998	20.01 1.46 -0.35	18.55 1.22 -1.65	17.60 1.14 -1.01	17.09 0.93 -3.97	17.18 1.09 -1.31	18.27 1.05 -1.83	21.12 1.06 -4.70	24.16 1.30 -5.79	25.09 1.77 -3.26	25.30 1.77 -3.23	26.31 1.94 -2.79	28.02 2.16 -3.80	29.46 2.22 -4.31	28.15 2.00 -5.52	29.39 2.09 -6.39	30.67 2.00 -7.84	33.20 1.96 -11.60	37.18 2.51 -9.01	34.38 2.35 -6.45	32.63 2.13 -7.12	31.26 2.12 -5.86	27.02 1.91 -2.92	23.64 1.92 -0.88	20.88 1.41 -0.60
BETHLEHEM___GRP 23843	19.06 0.44 -0.42	18.08 0.36 -2.04	17.08 0.39 -1.25	17.41 0.29 -4.92	16.80 0.40 -1.62	18.02 0.37 -2.26	12.95 0.40 2.81	14.80 0.43 2.70	20.65 0.54 -0.04	20.06 0.53 0.78	20.33 0.54 1.79	27.96 0.62 -5.28	30.64 0.64 -7.07	28.47 0.58 -7.27	32.52 0.61 -11.00	36.81 0.58 -15.39	42.96 0.53 -22.80	44.00 0.64 -17.70	33.28 0.61 -7.09	38.17 0.61 -14.18	35.54 0.58 -11.68	28.58 0.58 -5.81	23.12 0.52 -1.75	20.04 0.43 -0.74
BETHLEHEM___GS1 323560	19.06 0.44 -0.42	18.08 0.36 -2.04	17.08 0.39 -1.25	17.41 0.29 -4.92	16.80 0.40 -1.62	18.03 0.37 -2.27	12.95 0.40 2.81	14.80 0.43 2.70	20.64 0.54 -0.04	20.05 0.53 0.78	20.33 0.54 1.79	27.96 0.62 -5.28	30.64 0.64 -7.07	28.47 0.58 -7.27	32.52 0.61 -11.00	36.81 0.58 -15.39	42.96 0.53 -22.80	44.00 0.64 -17.70	33.28 0.61 -7.09	38.17 0.61 -14.18	35.54 0.58 -11.68	28.57 0.58 -5.81	23.12 0.52 -1.75	20.04 0.43 -0.74
BETHLEHEM___GS2 323561	19.06 0.44 -0.42	18.08 0.36 -2.04	17.08 0.39 -1.25	17.41 0.29 -4.92	16.80 0.40 -1.62	18.03 0.37 -2.27	12.95 0.40 2.81	14.80 0.43 2.70	20.64 0.54 -0.04	20.05 0.53 0.78	20.33 0.54 1.79	27.96 0.62 -5.28	30.64 0.64 -7.07	28.47 0.58 -7.27	32.52 0.61 -11.00	36.81 0.58 -15.39	42.96 0.53 -22.80	44.00 0.64 -17.70	33.28 0.61 -7.09	38.17 0.61 -14.18	35.54 0.58 -11.68	28.57 0.58 -5.81	23.12 0.52 -1.75	20.04 0.43 -0.74
BETHLEHEM___GS3 323562	19.06 0.44 -0.42	18.08 0.36 -2.04	17.08 0.39 -1.25	17.41 0.29 -4.92	16.80 0.40 -1.62	18.03 0.37 -2.27	12.95 0.40 2.81	14.80 0.43 2.70	20.64 0.54 -0.04	20.05 0.53 0.78	20.33 0.54 1.79	27.96 0.62 -5.28	30.64 0.64 -7.07	28.47 0.58 -7.27	32.52 0.61 -11.00	36.81 0.58 -15.39	42.96 0.53 -22.80	44.00 0.64 -17.70	33.28 0.61 -7.09	38.17 0.61 -14.18	35.54 0.58 -11.68	28.57 0.58 -5.81	23.12 0.52 -1.75	20.04 0.43 -0.74
BETHLEHEM___STEEL 23779	17.50 -0.76 -0.06	15.25 -0.71 -0.28	15.12 -0.49 -0.17	12.58 -0.29 -0.68	14.63 -0.37 -0.22	15.12 -0.58 -0.31	15.49 -0.68 -0.81	17.20 -0.85 -0.98	19.74 -0.88 -0.56	20.33 -0.53 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.78 -0.78 -0.94	21.12 -0.88 -1.09	21.23 -0.94 -1.34	20.86 -0.75 -1.98	25.11 -1.28 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.63 -0.65 -1.00	22.22 -0.47 -0.50	20.46 -0.54 -0.15	18.34 -0.62 -0.10
BETHLHEM_115KV_TB1 79974	19.10 0.47 -0.42	18.11 0.39 -2.04	17.11 0.42 -1.25	17.44 0.33 -4.92	16.82 0.43 -1.62	18.05 0.40 -2.26	13.62 0.41 2.15	15.55 0.46 1.99	21.01 0.58 -0.36	20.50 0.59 0.39	20.78 0.58 1.37	27.99 0.66 -5.27	30.59 0.69 -6.98	28.52 0.62 -7.27	32.39 0.65 -10.82	36.50 0.62 -15.04	42.47 0.57 -22.27	43.67 0.72 -17.29	33.47 0.69 -7.20	37.90 0.68 -13.84	35.33 0.65 -11.40	28.50 0.64 -5.67	23.14 0.58 -1.71	20.09 0.49 -0.74
BETHPAGE_CC_5 323564	28.70 1.55 -8.95	26.72 1.33 -9.71	22.70 1.25 -6.00	21.12 1.01 -7.91	20.73 1.20 -4.76	26.43 1.26 -9.78	28.33 1.24 -11.73	28.33 1.43 -9.82	30.79 1.87 -8.86	33.05 1.91 -10.84	36.92 1.94 -13.40	33.56 2.07 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.94 2.05 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.54 2.52 -14.36	42.97 2.40 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.80 1.95 -9.66	31.64 1.90 -8.89	30.32 1.56 -9.89
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	17.46 -0.80 -0.06	15.24 -0.72 -0.28	15.09 -0.53 -0.17	12.56 -0.32 -0.68	14.60 -0.40 -0.23	15.09 -0.62 -0.32	15.48 -0.69 -0.82	17.22 -0.85 -1.00	19.79 -0.84 -0.57	20.38 -0.49 -0.57	21.59 -0.47 -0.49	22.12 -0.60 -0.66	23.12 -0.55 -0.75	20.86 -0.72 -0.96	21.18 -0.84 -1.11	21.31 -0.87 -1.36	20.94 -0.71 -2.01	25.26 -1.21 -0.81	23.85 -1.20 0.52	24.15 -0.47 -1.23	23.71 -0.58 -1.02	22.28 -0.42 -0.51	20.48 -0.52 -0.15	18.33 -0.64 -0.10
BINGHAMTON___COGEN 23790	18.37 0.05 -0.11	16.26 0.05 -0.53	15.86 0.09 -0.32	13.55 0.07 -1.28	15.30 0.10 -0.42	16.01 0.03 -0.59	17.01 0.05 -1.60	19.03 0.09 -1.87	21.40 0.16 -1.17	21.71 0.24 -1.16	22.86 0.28 -1.00	23.69 0.29 -1.35	24.77 0.32 -1.53	22.81 0.23 -1.96	23.41 0.23 -2.26	23.84 0.23 -2.78	24.00 0.26 -4.11	29.13 0.28 -3.19	28.13 0.26 -2.29	26.35 0.44 -2.52	25.70 0.35 -2.07	23.58 0.36 -1.03	21.39 0.23 -0.31	19.23 0.17 -0.19
BIXINCNT_115KV_LOAD 355685	17.30 -0.96 -0.06	15.05 -0.93 -0.30	14.83 -0.80 -0.18	12.38 -0.54 -0.72	14.42 -0.59 -0.24	14.94 -0.79 -0.33	15.38 -0.84 -0.87	17.14 -1.01 -1.07	19.82 -0.86 -0.62	20.41 -0.51 -0.61	21.61 -0.50 -0.53	22.20 -0.57 -0.71	23.20 -0.53 -0.81	20.90 -0.76 -1.03	21.19 -0.92 -1.20	21.30 -1.00 -1.47	21.00 -0.80 -2.17	25.61 -1.28 -1.24	24.36 -1.46 -0.24	24.15 -0.56 -1.33	23.70 -0.68 -1.10	22.27 -0.47 -0.55	20.41 -0.60 -0.16	18.07 -0.91 -0.11
BLACK RIVER___HYD 24047	18.72 0.49 -0.02	16.16 0.39 -0.09	15.90 0.40 -0.05	12.58 0.17 -0.22	15.10 0.25 -0.07	15.77 0.28 -0.10	15.82 0.34 -0.12	17.74 0.36 -0.31	20.41 0.34 0.00	20.55 0.24 0.00	21.81 0.24 0.00	22.30 0.24 0.00	23.13 0.21 0.00	20.77 0.15 0.00	21.02 0.11 0.00	20.98 0.15 0.00	19.75 0.12 0.00	25.94 0.28 0.00	25.94 0.36 0.00	23.90 0.51 0.00	23.98 0.70 0.00	22.86 0.67 0.00	21.35 0.50 0.00	19.37 0.47 -0.03

BLACKRVR_115KV_TB2 79977	18.72 0.49 -0.02	16.16 0.39 -0.09	15.90 0.40 -0.05	12.58 0.17 -0.22	15.10 0.25 -0.07	15.77 0.28 -0.10	15.82 0.34 -0.12	17.74 0.36 -0.31	20.41 0.34 0.00	20.55 0.24 0.00	21.81 0.24 0.00	22.30 0.24 0.00	23.13 0.21 0.00	20.77 0.14 0.00	21.02 0.10 0.00	20.98 0.15 0.00	19.77 0.14 0.00	25.94 0.28 0.00	25.94 0.36 0.00	23.90 0.51 0.00	23.98 0.70 0.00	22.86 0.67 0.00	21.35 0.50 0.00	19.37 0.47 -0.03
BLISS_WT_PWR 323608	17.29 -0.98 -0.06	15.02 -0.96 -0.30	14.75 -0.88 -0.18	12.32 -0.60 -0.72	14.36 -0.65 -0.24	14.90 -0.83 -0.33	15.33 -0.89 -0.87	17.07 -1.08 -1.07	19.75 -0.92 -0.61	20.34 -0.57 -0.60	21.54 -0.56 -0.52	22.13 -0.64 -0.71	23.16 -0.57 -0.81	20.81 -0.85 -1.03	21.08 -1.02 -1.20	21.21 -1.08 -1.47	20.90 -0.90 -2.17	25.49 -1.41 -1.24	24.23 -1.59 -0.24	24.04 -0.68 -1.33	23.61 -0.77 -1.10	22.18 -0.55 -0.55	20.49 -0.52 -0.16	17.99 -0.98 -0.11
BLUE_CIRC_CHEM_DRP 24182	19.31 0.69 -0.41	18.28 0.60 -2.01	17.31 0.63 -1.23	17.53 0.50 -4.84	16.99 0.62 -1.60	18.24 0.62 -2.23	16.11 0.61 -0.13	18.32 0.67 -0.58	22.32 0.82 -1.43	22.04 0.85 -0.89	22.49 0.88 -0.03	28.01 0.93 -5.02	30.30 0.96 -6.41	28.51 0.87 -7.02	31.65 0.88 -9.85	35.04 0.85 -13.36	40.20 0.79 -19.78	41.99 0.98 -15.36	33.79 0.95 -7.26	36.58 0.94 -12.26	34.31 0.93 -10.10	28.12 0.91 -5.02	23.19 0.83 -1.51	20.31 0.72 -0.73
BOC_GAS_DRP 24189	19.19 0.56 -0.42	18.20 0.49 -2.04	17.20 0.51 -1.24	17.48 0.39 -4.90	16.88 0.49 -1.62	18.14 0.49 -2.26	17.34 0.49 -1.49	19.61 0.53 -2.01	22.94 0.70 -2.17	22.75 0.71 -1.74	23.22 0.73 -0.91	28.04 0.79 -5.18	30.20 0.83 -6.45	28.68 0.74 -7.31	31.52 0.77 -9.83	34.63 0.73 -13.07	39.68 0.69 -19.36	41.56 0.87 -15.03	34.22 0.84 -7.80	36.13 0.80 -11.95	33.92 0.79 -9.85	27.84 0.75 -4.90	23.03 0.71 -1.47	20.20 0.60 -0.74
BOONVILLE_115KV_TB1 79983	18.60 0.38 -0.01	16.05 0.31 -0.06	15.84 0.36 -0.04	12.51 0.17 -0.14	15.06 0.24 -0.05	15.67 0.22 -0.06	15.73 0.29 -0.08	17.60 0.32 -0.20	20.43 0.36 0.00	20.63 0.32 0.00	21.90 0.32 0.00	22.39 0.33 0.00	23.22 0.30 0.00	20.87 0.25 0.00	21.16 0.25 0.00	21.14 0.31 0.00	19.93 0.29 0.00	26.10 0.44 0.00	25.99 0.41 0.00	23.88 0.49 0.00	23.86 0.58 0.00	22.75 0.55 0.00	21.33 0.48 0.00	19.32 0.43 -0.02
BORALEX_4TH_BRANCH 23824	19.70 1.07 -0.42	18.62 0.91 -2.04	17.66 0.97 -1.24	17.86 0.77 -4.90	17.34 0.95 -1.62	18.62 0.97 -2.26	39.66 0.97 -23.34	38.99 1.02 -20.89	38.28 1.30 -16.91	39.55 1.32 -17.93	39.92 1.34 -17.01	36.47 1.41 -13.00	37.35 1.47 -12.96	41.46 1.34 -19.50	40.65 1.36 -18.38	41.63 1.31 -19.48	49.74 1.26 -28.85	49.67 1.62 -22.40	52.26 1.61 -25.07	41.58 1.50 -16.69	38.47 1.44 -13.75	30.45 1.42 -6.84	24.26 1.35 -2.06	20.79 1.19 -0.73
BOWLINE___1 23526	19.57 1.04 -0.33	18.16 0.88 -1.60	17.26 0.83 -0.98	16.72 0.67 -3.86	16.84 0.80 -1.27	17.99 0.82 -1.78	20.73 0.81 -4.56	23.67 0.97 -5.62	24.57 1.34 -3.16	24.80 1.36 -3.13	25.75 1.47 -2.70	27.31 1.57 -3.69	28.75 1.65 -4.18	27.47 1.49 -5.35	28.70 1.59 -6.19	29.93 1.50 -7.60	32.34 1.45 -11.25	36.29 1.90 -8.74	33.65 1.82 -6.26	31.90 1.61 -6.90	30.53 1.56 -5.69	26.48 1.46 -2.83	23.08 1.38 -0.85	20.54 1.09 -0.58
BOWLINE___2 23595	19.57 1.04 -0.33	18.16 0.88 -1.60	17.26 0.83 -0.98	16.72 0.67 -3.86	16.84 0.80 -1.27	17.99 0.82 -1.78	20.73 0.81 -4.56	23.67 0.97 -5.62	24.57 1.34 -3.16	24.80 1.36 -3.14	25.75 1.47 -2.70	27.31 1.57 -3.69	28.75 1.65 -4.18	27.47 1.49 -5.35	28.70 1.59 -6.19	29.93 1.50 -7.60	32.34 1.45 -11.26	36.30 1.90 -8.74	33.65 1.82 -6.26	31.90 1.61 -6.90	30.53 1.56 -5.69	26.48 1.46 -2.83	23.08 1.38 -0.85	20.54 1.09 -0.58
BRADY___115KV_TB2 356060	18.21 0.00 0.00	15.68 0.00 0.00	15.38 -0.06 0.00	12.15 -0.05 0.00	14.71 -0.06 0.00	15.42 0.03 0.00	15.40 0.05 0.00	17.09 0.02 0.00	20.05 -0.02 0.00	20.24 -0.06 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.59 -0.04 0.00	20.83 -0.08 0.00	20.79 -0.04 0.00	19.46 -0.18 0.00	25.48 -0.18 0.00	25.42 -0.15 0.00	23.13 -0.26 0.00	23.26 -0.02 0.00	22.12 -0.07 0.00	20.79 -0.06 0.00	18.81 -0.06 0.00
BRANSCOMB___SOLAR 323811	19.89 1.26 -0.43	18.85 1.07 -2.10	17.81 1.08 -1.28	18.11 0.87 -5.05	17.47 1.03 -1.67	18.80 1.08 -2.33	38.06 1.09 -21.61	36.39 1.18 -18.14	38.11 1.29 -16.76	39.20 1.36 -17.53	39.35 1.45 -16.33	37.40 1.46 -13.89	38.84 1.51 -14.40	42.58 1.32 -20.63	42.95 1.32 -20.72	45.28 1.33 -23.11	55.13 1.28 -34.22	53.89 1.67 -26.57	53.08 1.66 -25.84	45.05 1.61 -20.05	41.40 1.61 -16.52	31.96 1.55 -8.22	24.89 1.56 -2.47	20.98 1.36 -0.76
BRENTWOD_69_KV_W. BRTWOOD 56703	28.86 1.71 -8.95	26.83 1.44 -9.71	22.78 1.33 -6.00	21.18 1.07 -7.91	20.82 1.29 -4.76	26.52 1.35 -9.77	28.42 1.34 -11.73	28.48 1.59 -9.82	31.03 2.11 -8.86	33.30 2.15 -10.84	37.11 2.14 -13.40	33.67 2.18 -9.43	37.07 2.32 -11.83	34.48 2.06 -11.79	37.08 2.20 -13.98	39.11 2.15 -16.14	40.96 2.10 -19.22	42.74 2.72 -14.36	43.20 2.63 -14.99	37.13 2.41 -11.34	40.78 2.40 -15.10	34.02 2.17 -9.66	31.76 2.02 -8.89	30.42 1.66 -9.89
BRISTLHL_115KV_TB1 79998	18.07 -0.16 -0.03	15.67 -0.14 -0.14	15.42 -0.11 -0.08	12.43 -0.10 -0.33	14.76 -0.12 -0.11	15.38 -0.17 -0.15	15.39 -0.15 -0.19	17.43 -0.12 -0.48	19.85 -0.22 0.00	20.08 -0.22 0.00	21.36 -0.22 0.00	21.82 -0.24 0.00	22.67 -0.25 0.00	20.38 -0.25 0.00	20.64 -0.27 0.00	20.56 -0.27 0.00	19.42 -0.22 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	23.17 -0.21 0.00	23.05 -0.23 0.00	21.95 -0.24 0.00	20.60 -0.25 0.00	18.76 -0.15 -0.05
BROOKHAVEN___DRP 24191	28.63 1.47 -8.95	26.61 1.22 -9.71	22.58 1.13 -6.00	21.03 0.93 -7.91	20.64 1.11 -4.76	26.32 1.15 -9.77	28.24 1.15 -11.73	28.29 1.40 -9.82	30.81 1.89 -8.86	33.06 1.91 -10.84	36.83 1.86 -13.40	33.45 1.96 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.74 1.88 -19.22	42.48 2.46 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.57 2.19 -15.10	33.80 1.95 -9.66	31.55 1.81 -8.89	30.19 1.43 -9.89
BROOKLYN_NAVY_YARD 23515	19.79 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.42 1.75 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.79 1.69 -2.92	23.39 1.67 -0.88	20.71 1.24 -0.60
BROOKLYN___ARMY_DRP 323595	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60

BROOKVLE_69_KV_TB1 55790	28.66 1.51 -8.95	26.66 1.27 -9.71	22.65 1.20 -6.00	21.08 0.98 -7.91	20.70 1.17 -4.76	26.37 1.20 -9.77	28.29 1.20 -11.73	28.31 1.42 -9.82	30.81 1.89 -8.86	33.08 1.93 -10.84	37.00 2.03 -13.40	33.67 2.18 -9.43	37.04 2.29 -11.83	34.46 2.04 -11.79	37.00 2.11 -13.98	38.97 2.00 -16.14	40.78 1.92 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.88 2.15 -11.34	40.50 2.12 -15.10	33.84 2.00 -9.66	31.64 1.90 -8.89	30.30 1.55 -9.89
BROOME_2_LFGE 323671	18.37 0.05 -0.11	16.26 0.05 -0.53	15.86 0.09 -0.32	13.55 0.07 -1.28	15.28 0.09 -0.42	16.01 0.03 -0.59	17.01 0.05 -1.60	19.03 0.09 -1.87	21.39 0.16 -1.16	21.71 0.24 -1.16	22.85 0.28 -1.00	23.69 0.29 -1.35	24.77 0.32 -1.53	22.81 0.23 -1.96	23.41 0.23 -2.26	23.84 0.23 -2.78	24.00 0.25 -4.11	29.13 0.28 -3.19	28.10 0.23 -2.29	26.32 0.42 -2.52	25.70 0.35 -2.07	23.56 0.33 -1.03	21.43 0.27 -0.31	19.23 0.17 -0.19
BROOME___LFGE 323600	18.37 0.05 -0.11	16.26 0.05 -0.53	15.86 0.09 -0.32	13.55 0.07 -1.28	15.28 0.09 -0.42	16.01 0.03 -0.59	17.01 0.05 -1.60	19.03 0.09 -1.87	21.39 0.16 -1.16	21.71 0.24 -1.16	22.85 0.28 -1.00	23.69 0.29 -1.35	24.77 0.32 -1.53	22.81 0.23 -1.96	23.41 0.23 -2.26	23.84 0.23 -2.78	24.00 0.25 -4.11	29.13 0.28 -3.19	28.10 0.23 -2.29	26.32 0.42 -2.52	25.70 0.35 -2.07	23.56 0.33 -1.03	21.43 0.27 -0.31	19.23 0.17 -0.19
BROWNFLS_115KV_TB_3_5 80003	18.42 0.20 -0.01	15.88 0.16 -0.05	15.60 0.12 -0.03	12.32 0.01 -0.11	14.82 0.01 -0.04	15.52 0.08 -0.05	15.53 0.11 -0.06	17.30 0.07 -0.16	20.11 0.04 0.00	20.28 -0.02 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.54 -0.08 0.00	20.79 -0.13 0.00	20.75 -0.08 0.00	19.40 -0.24 0.00	25.45 -0.21 0.00	25.40 -0.18 0.00	23.22 -0.16 0.00	23.42 0.14 0.00	22.35 0.16 0.00	21.02 0.17 0.00	19.01 0.13 -0.02
BROWNSV1_27_KV_LOAD 356125	19.93 1.38 -0.34	18.49 1.16 -1.65	17.55 1.10 -1.01	17.06 0.89 -3.97	17.15 1.06 -1.31	18.30 1.08 -1.83	21.17 1.11 -4.70	24.21 1.35 -5.79	25.15 1.83 -3.26	25.37 1.83 -3.23	26.33 1.96 -2.79	28.00 2.14 -3.80	29.43 2.20 -4.31	28.13 1.98 -5.52	29.35 2.05 -6.39	30.63 1.96 -7.84	33.16 1.92 -11.60	37.13 2.46 -9.01	34.36 2.33 -6.45	32.61 2.10 -7.12	31.24 2.10 -5.86	27.04 1.93 -2.92	23.54 1.81 -0.88	20.86 1.40 -0.60
BURROWS___LYONSDAL 23803	18.62 0.40 -0.01	16.05 0.31 -0.06	15.84 0.36 -0.04	12.48 0.15 -0.14	15.03 0.21 -0.05	15.66 0.20 -0.07	15.70 0.26 -0.08	17.55 0.27 -0.21	20.37 0.30 0.00	20.55 0.24 0.00	21.81 0.24 0.00	22.28 0.22 0.00	23.13 0.21 0.00	20.79 0.17 0.00	21.06 0.15 0.00	21.06 0.23 0.00	19.83 0.20 0.00	25.99 0.33 0.00	25.91 0.33 0.00	23.78 0.40 0.00	23.81 0.54 0.00	22.70 0.51 0.00	21.31 0.46 0.00	19.30 0.42 -0.02
CAITHNESS_CC_1 323624	28.61 1.46 -8.95	26.62 1.22 -9.71	22.58 1.13 -6.00	21.03 0.93 -7.91	20.63 1.09 -4.76	26.32 1.16 -9.78	28.22 1.14 -11.73	28.27 1.38 -9.82	30.79 1.87 -8.86	33.03 1.89 -10.84	36.81 1.83 -13.40	33.43 1.94 -9.43	36.77 2.02 -11.83	34.24 1.82 -11.79	36.83 1.95 -13.98	38.88 1.92 -16.14	40.72 1.87 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.90 2.18 -11.34	40.52 2.14 -15.10	33.76 1.91 -9.66	31.55 1.81 -8.89	30.19 1.43 -9.89
CALPINE BETH_PAGE_GT4 24209	28.68 1.53 -8.95	26.72 1.33 -9.71	22.70 1.25 -6.00	21.12 1.01 -7.91	20.75 1.21 -4.76	26.43 1.26 -9.77	28.33 1.24 -11.73	28.31 1.42 -9.82	30.73 1.81 -8.86	32.99 1.85 -10.84	36.87 1.90 -13.40	33.49 2.01 -9.43	36.86 2.11 -11.83	34.32 1.90 -11.79	36.90 2.01 -13.98	38.91 1.94 -16.14	40.74 1.88 -19.22	42.46 2.44 -14.36	42.89 2.33 -14.99	36.85 2.13 -11.34	40.48 2.10 -15.10	33.76 1.91 -9.66	31.55 1.81 -8.89	30.30 1.55 -9.89
CALPINE_BETH_PAGE_GT_4 323586	28.66 1.51 -8.95	26.72 1.33 -9.71	22.70 1.25 -6.00	21.12 1.01 -7.91	20.73 1.20 -4.76	26.43 1.26 -9.78	28.33 1.24 -11.73	28.31 1.42 -9.82	30.73 1.81 -8.86	32.99 1.85 -10.84	36.87 1.90 -13.40	33.49 2.01 -9.43	36.86 2.11 -11.83	34.30 1.88 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.74 1.88 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.85 2.13 -11.34	40.48 2.10 -15.10	33.76 1.91 -9.66	31.57 1.84 -8.89	30.30 1.55 -9.89
CALPINE_BP_GT1 23823	28.66 1.51 -8.95	26.72 1.33 -9.71	22.70 1.25 -6.00	21.12 1.01 -7.91	20.73 1.20 -4.76	26.43 1.26 -9.78	28.33 1.24 -11.73	28.31 1.42 -9.82	30.73 1.81 -8.86	32.99 1.85 -10.84	36.87 1.90 -13.40	33.49 2.01 -9.43	36.86 2.11 -11.83	34.30 1.88 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.74 1.88 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.85 2.13 -11.34	40.48 2.10 -15.10	33.76 1.91 -9.66	31.57 1.84 -8.89	30.30 1.55 -9.89
CALSPAN___DRP 24200	17.50 -0.76 -0.06	15.25 -0.71 -0.28	15.12 -0.49 -0.17	12.58 -0.29 -0.68	14.63 -0.37 -0.22	15.12 -0.58 -0.31	15.49 -0.68 -0.81	17.20 -0.85 -0.98	19.74 -0.88 -0.56	20.33 -0.53 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.78 -0.78 -0.94	21.12 -0.88 -1.09	21.23 -0.94 -1.34	20.86 -0.75 -1.98	25.11 -1.28 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.63 -0.65 -1.00	22.22 -0.47 -0.50	20.46 -0.54 -0.15	18.34 -0.62 -0.10
CALVERTON___SOLAR 323806	28.66 1.51 -8.95	26.66 1.27 -9.71	22.62 1.17 -6.00	21.07 0.96 -7.91	20.67 1.14 -4.76	26.35 1.19 -9.78	28.27 1.18 -11.73	28.33 1.43 -9.82	30.87 1.95 -8.86	33.11 1.97 -10.84	36.89 1.92 -13.40	33.51 2.03 -9.43	36.88 2.13 -11.83	34.32 1.90 -11.79	36.92 2.03 -13.98	38.97 2.00 -16.14	40.82 1.96 -19.22	42.59 2.57 -14.36	43.04 2.48 -14.99	37.02 2.29 -11.34	40.67 2.28 -15.10	33.87 2.02 -9.66	31.66 1.92 -8.89	30.25 1.49 -9.89
CANDIGU_WT_PWR 323617	17.86 -0.42 -0.08	15.64 -0.41 -0.37	15.34 -0.33 -0.22	12.86 -0.22 -0.89	14.78 -0.28 -0.29	15.39 -0.41 -0.41	15.97 -0.46 -1.07	17.84 -0.53 -1.30	20.28 -0.54 -0.76	20.75 -0.30 -0.75	21.94 -0.28 -0.65	22.61 -0.33 -0.88	23.69 -0.23 -0.99	21.57 -0.33 -1.27	21.99 -0.40 -1.47	22.22 -0.42 -1.81	21.98 -0.33 -2.68	22.78 -0.56 2.32	16.65 -0.56 8.37	24.93 -0.09 -1.64	24.42 -0.21 -1.35	22.75 -0.11 -0.67	20.93 -0.12 -0.20	18.72 -0.28 -0.13
CARR STREET_E_SYR 24060	18.13 -0.11 -0.03	15.74 -0.09 -0.16	15.48 -0.06 -0.10	12.51 -0.06 -0.37	14.82 -0.07 -0.12	15.44 -0.12 -0.17	15.69 -0.09 -0.42	17.55 -0.07 -0.54	20.22 -0.12 -0.27	20.48 -0.10 -0.27	21.73 -0.09 -0.23	22.27 -0.11 -0.32	23.17 -0.11 -0.36	20.96 -0.12 -0.46	21.30 -0.15 -0.53	21.34 -0.14 -0.65	20.50 -0.10 -0.97	26.20 -0.21 -0.75	25.91 -0.21 -0.54	23.88 -0.09 -0.59	23.65 -0.12 -0.49	22.30 -0.13 -0.24	20.75 -0.17 -0.07	18.85 -0.08 -0.06
CARTHAGE___PAPER 23857	18.64 0.42 -0.02	16.10 0.34 -0.08	15.82 0.32 -0.05	12.50 0.11 -0.19	15.00 0.16 -0.06	15.70 0.22 -0.09	15.73 0.26 -0.11	17.59 0.24 -0.28	20.29 0.22 0.00	20.43 0.12 0.00	21.68 0.11 0.00	22.13 0.07 0.00	22.95 0.02 0.00	20.63 0.00 0.00	20.87 -0.04 0.00	20.85 0.02 0.00	19.63 0.00 0.00	25.81 0.15 0.00	25.78 0.20 0.00	23.71 0.33 0.00	23.84 0.56 0.00	22.72 0.53 0.00	21.29 0.44 0.00	19.29 0.40 -0.03

CASSADAGA_WT_PWR 323784	17.65 -0.62 -0.06	15.36 -0.61 -0.30	15.10 -0.53 -0.18	12.55 -0.35 -0.71	14.54 -0.47 -0.24	15.05 -0.68 -0.33	15.40 -0.81 -0.86	17.31 -0.82 -1.06	19.92 -0.74 -0.60	20.61 -0.28 -0.59	21.79 -0.30 -0.51	22.28 -0.49 -0.70	23.33 -0.39 -0.80	21.05 -0.60 -1.02	21.28 -0.82 -1.18	21.36 -0.92 -1.45	20.99 -0.79 -2.15	25.61 -1.21 -1.16	24.52 -1.15 -0.09	24.42 -0.28 -1.31	24.06 -0.30 -1.08	22.69 -0.04 -0.54	20.97 -0.04 -0.16	18.54 -0.43 -0.11
CE_DUNWOOD___DRP 24194	19.69 1.15 -0.34	18.30 0.97 -1.65	17.38 0.93 -1.01	16.90 0.74 -3.96	16.97 0.89 -1.31	18.13 0.91 -1.83	20.96 0.91 -4.69	23.94 1.09 -5.78	24.80 1.48 -3.25	25.03 1.50 -3.23	25.95 1.60 -2.78	27.60 1.74 -3.80	29.03 1.81 -4.30	27.76 1.63 -5.51	28.98 1.69 -6.37	30.28 1.62 -7.82	32.78 1.57 -11.58	36.68 2.03 -8.99	33.94 1.92 -6.44	32.24 1.75 -7.10	30.85 1.72 -5.85	26.70 1.60 -2.91	23.20 1.48 -0.88	20.65 1.19 -0.59
CE_MILLWOOD___DRP 24193	19.65 1.11 -0.34	18.26 0.94 -1.64	17.34 0.90 -1.00	16.87 0.73 -3.95	16.93 0.86 -1.30	18.09 0.88 -1.82	20.91 0.88 -4.67	23.87 1.04 -5.76	24.73 1.42 -3.24	24.98 1.46 -3.22	25.90 1.55 -2.77	27.52 1.68 -3.78	28.95 1.74 -4.28	27.68 1.57 -5.49	28.91 1.65 -6.35	30.18 1.56 -7.79	32.68 1.51 -11.54	36.57 1.95 -8.96	33.86 1.87 -6.41	32.14 1.68 -7.08	30.76 1.65 -5.83	26.64 1.55 -2.90	23.16 1.44 -0.87	20.61 1.15 -0.59
CE_NYC2_DRP 24202	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	24.99 1.67 -3.26	25.20 1.66 -3.23	26.18 1.81 -2.79	27.87 2.01 -3.80	29.30 2.06 -4.31	28.00 1.86 -5.52	29.22 1.92 -6.39	30.50 1.83 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.46 1.73 -0.88	20.76 1.30 -0.60
CE_NYC_DRP 24195	19.80 1.26 -0.34	18.39 1.07 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.06 0.98 -1.31	18.19 0.97 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.20 1.66 -3.23	26.15 1.79 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.46 1.79 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.00 1.86 -5.86	26.84 1.73 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
CHAFFEE___LFGE 323603	17.47 -0.80 -0.06	15.22 -0.75 -0.29	15.07 -0.56 -0.18	12.56 -0.33 -0.70	14.61 -0.40 -0.23	15.08 -0.63 -0.32	15.50 -0.69 -0.84	17.24 -0.85 -1.03	19.83 -0.82 -0.59	20.44 -0.45 -0.58	21.62 -0.45 -0.50	22.19 -0.55 -0.68	23.19 -0.50 -0.77	20.91 -0.70 -0.98	21.24 -0.82 -1.14	21.37 -0.85 -1.40	20.99 -0.71 -2.07	25.44 -1.18 -0.96	24.15 -1.18 0.25	24.21 -0.45 -1.27	23.76 -0.56 -1.04	22.31 -0.40 -0.52	20.65 -0.35 -0.16	18.29 -0.68 -0.10
CHATEAUG_35_KV_LOAD 355732	18.33 0.13 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.66 -0.12 0.00	15.35 -0.05 0.00	15.17 -0.18 0.00	16.77 -0.31 0.00	19.62 -0.44 0.00	19.90 -0.41 0.00	21.21 -0.37 0.00	21.55 -0.51 0.00	22.35 -0.57 0.00	20.19 -0.43 0.00	20.45 -0.46 0.00	20.48 -0.35 0.00	19.18 -0.45 0.00	25.12 -0.54 0.00	25.09 -0.49 0.00	22.73 -0.65 0.00	22.77 -0.51 0.00	21.61 -0.58 0.00	20.43 -0.42 0.00	18.49 -0.38 0.00
CHATEAUG_WT_PWR 323614	18.35 0.14 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.65 -0.12 0.00	15.33 -0.06 0.00	15.16 -0.20 0.00	16.75 -0.32 0.00	19.62 -0.44 0.00	19.92 -0.39 0.00	21.23 -0.35 0.00	21.59 -0.46 0.00	22.37 -0.55 0.00	20.21 -0.41 0.00	20.45 -0.46 0.00	20.50 -0.33 0.00	19.20 -0.43 0.00	25.12 -0.54 0.00	25.09 -0.49 0.00	22.75 -0.63 0.00	22.77 -0.51 0.00	21.68 -0.51 0.00	20.47 -0.37 0.00	18.49 -0.38 0.00
CHAT_HIGH_FALL_HYD 323578	18.35 0.14 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.67 -0.10 0.00	15.35 -0.05 0.00	15.17 -0.18 0.00	16.77 -0.31 0.00	19.62 -0.44 0.00	19.90 -0.41 0.00	21.21 -0.37 0.00	21.55 -0.51 0.00	22.35 -0.57 0.00	20.19 -0.43 0.00	20.43 -0.48 0.00	20.48 -0.35 0.00	19.18 -0.45 0.00	25.09 -0.56 0.00	25.09 -0.49 0.00	22.73 -0.65 0.00	22.77 -0.51 0.00	21.70 -0.49 0.00	20.47 -0.37 0.00	18.49 -0.38 0.00
CHAUTAUQUA___LFGE 323629	17.70 -0.56 -0.06	15.42 -0.55 -0.29	15.21 -0.42 -0.18	12.65 -0.24 -0.70	14.68 -0.33 -0.23	15.21 -0.51 -0.32	15.58 -0.61 -0.84	17.46 -0.65 -1.04	20.05 -0.60 -0.58	20.70 -0.18 -0.58	21.93 -0.15 -0.50	22.46 -0.29 -0.69	23.47 -0.23 -0.78	21.19 -0.43 -1.00	21.50 -0.56 -1.15	21.60 -0.65 -1.42	21.20 -0.53 -2.10	25.79 -0.85 -0.98	24.49 -0.84 0.24	24.58 -0.09 -1.28	24.15 -0.19 -1.06	22.72 0.00 -0.53	21.01 0.00 -0.16	18.63 -0.34 -0.10
CHERRYST_13_KV_LD 356241	19.84 1.29 -0.34	18.43 1.10 -1.65	17.50 1.05 -1.01	17.02 0.85 -3.97	17.10 1.02 -1.31	18.22 1.00 -1.83	21.10 1.04 -4.70	24.14 1.28 -5.79	25.05 1.73 -3.26	25.28 1.75 -3.23	26.24 1.88 -2.79	27.89 2.03 -3.80	29.32 2.09 -4.31	28.02 1.88 -5.52	29.27 1.97 -6.39	30.52 1.85 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.20 2.17 -6.45	32.47 1.96 -7.12	31.10 1.96 -5.86	26.90 1.80 -2.92	23.44 1.71 -0.88	20.76 1.30 -0.60
CHESTROR_138KV_BK263 355645	19.47 0.95 -0.32	18.01 0.80 -1.53	17.14 0.76 -0.94	16.48 0.60 -3.69	16.70 0.71 -1.22	17.82 0.72 -1.70	20.45 0.72 -4.37	23.29 0.84 -5.38	24.25 1.16 -3.02	24.50 1.20 -3.00	25.41 1.25 -2.59	26.93 1.35 -3.53	28.32 1.40 -4.00	27.03 1.28 -5.12	28.20 1.36 -5.93	29.39 1.29 -7.27	31.66 1.26 -10.77	35.63 1.62 -8.36	33.12 1.56 -5.99	31.39 1.40 -6.60	30.07 1.35 -5.44	26.18 1.29 -2.71	22.85 1.19 -0.81	20.38 0.96 -0.55
CH_MIDHUDSON___DRP 24192	19.63 1.07 -0.35	18.27 0.91 -1.68	17.34 0.86 -1.03	16.92 0.68 -4.04	16.92 0.81 -1.33	18.09 0.83 -1.86	20.98 0.81 -4.81	23.91 0.94 -5.89	24.72 1.30 -3.35	24.95 1.32 -3.33	25.83 1.38 -2.87	27.43 1.46 -3.92	28.90 1.54 -4.44	27.71 1.40 -5.68	29.00 1.51 -6.58	30.32 1.42 -8.07	32.96 1.37 -11.95	36.68 1.74 -9.28	33.91 1.69 -6.65	32.21 1.50 -7.33	30.78 1.47 -6.04	26.61 1.42 -3.00	23.07 1.31 -0.90	20.55 1.08 -0.61
CH_MISC_IPPS 23765	19.66 1.11 -0.34	18.27 0.94 -1.65	17.35 0.90 -1.01	16.86 0.68 -3.98	16.90 0.81 -1.31	18.06 0.83 -1.84	20.91 0.83 -4.73	23.81 0.94 -5.80	24.67 1.32 -3.28	24.92 1.36 -3.26	25.83 1.45 -2.81	27.34 1.46 -3.83	28.80 1.54 -4.34	27.63 1.44 -5.56	28.91 1.57 -6.43	30.20 1.48 -7.89	32.75 1.43 -11.68	36.52 1.80 -9.07	33.84 1.76 -6.50	32.10 1.54 -7.17	30.68 1.49 -5.91	26.57 1.44 -2.94	23.07 1.34 -0.88	20.54 1.07 -0.60
CH_RES_BVR_FALLS 23983	17.90 -0.31 0.00	15.38 -0.30 0.00	15.09 -0.35 0.00	11.91 -0.28 0.00	14.42 -0.35 0.00	15.07 -0.32 0.00	15.02 -0.34 0.00	16.68 -0.39 0.00	19.58 -0.48 0.00	19.82 -0.49 0.00	21.06 -0.52 0.00	21.51 -0.55 0.00	22.35 -0.57 0.00	20.11 -0.51 0.00	20.37 -0.54 0.00	20.31 -0.52 0.00	19.10 -0.53 0.00	25.02 -0.64 0.00	24.94 -0.64 0.00	22.73 -0.65 0.00	22.70 -0.58 0.00	21.64 -0.55 0.00	20.39 -0.46 0.00	18.47 -0.40 0.00

CH_RES_NIAGARA 23895	17.26 -1.00 -0.05	15.09 -0.85 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.74	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.30 -1.48 -0.48	20.43 -1.55 -0.41	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.68 -1.69 -1.74	24.38 -2.05 -0.77	23.83 -1.38 0.36	22.78 -1.66 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.61 -1.35 -0.11	17.62 -1.32 -0.07
CH_RES_SYRACUSE 23985	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.32	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.53 0.00 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.45 -0.02 -0.28	20.87 -0.06 -0.08	18.95 0.02 -0.06
CLINTON_WT_PWR 323605	18.35 0.14 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.65 -0.12 0.00	15.33 -0.06 0.00	15.16 -0.20 0.00	16.75 -0.32 0.00	19.62 -0.44 0.00	19.92 -0.39 0.00	21.23 -0.35 0.00	21.59 -0.46 0.00	22.37 -0.55 0.00	20.21 -0.41 0.00	20.45 -0.46 0.00	20.50 -0.33 0.00	19.20 -0.43 0.00	25.12 -0.54 0.00	25.09 -0.49 0.00	22.75 -0.63 0.00	22.77 -0.51 0.00	21.68 -0.51 0.00	20.47 -0.37 0.00	18.49 -0.38 0.00
CLINTON___LFGE 323618	18.54 0.33 0.00	15.94 0.27 0.00	15.49 0.05 0.00	12.28 0.09 0.00	14.80 0.03 0.00	15.50 0.11 0.00	15.33 -0.03 0.00	16.94 -0.14 0.00	19.83 -0.24 0.00	20.08 -0.22 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.64 -0.27 0.00	20.71 -0.12 0.00	19.40 -0.23 0.00	25.35 -0.31 0.00	25.35 -0.23 0.00	22.96 -0.42 0.00	23.00 -0.28 0.00	21.90 -0.29 0.00	20.66 -0.19 0.00	18.66 -0.21 0.00
COBBLENY_34_KV_TB1 80064	17.47 -0.80 -0.06	15.23 -0.74 -0.29	15.07 -0.56 -0.18	12.56 -0.33 -0.70	14.60 -0.40 -0.23	15.08 -0.63 -0.32	15.50 -0.69 -0.84	17.24 -0.85 -1.03	19.83 -0.82 -0.59	20.44 -0.45 -0.50	21.63 -0.45 -0.50	22.19 -0.55 -0.68	23.19 -0.50 -0.77	20.91 -0.70 -0.98	21.24 -0.82 -1.14	21.35 -0.87 -1.40	21.01 -0.69 -2.07	25.44 -1.18 -0.96	24.15 -1.18 0.25	24.21 -0.44 -1.27	23.76 -0.56 -1.04	22.33 -0.38 -0.52	20.50 -0.50 -0.16	18.29 -0.68 -0.10
COFFEEN_115KV_TB3 355620	18.83 0.60 -0.02	16.26 0.49 -0.09	15.99 0.49 -0.06	12.65 0.23 -0.22	15.19 0.34 -0.07	15.86 0.37 -0.10	15.93 0.45 -0.12	17.85 0.46 -0.32	20.53 0.46 0.00	20.67 0.37 0.00	21.94 0.37 0.00	22.46 0.40 0.00	23.27 0.34 0.00	20.90 0.27 0.00	21.12 0.21 0.00	21.08 0.25 0.00	19.87 0.24 0.00	26.12 0.46 0.00	26.09 0.51 0.00	24.09 0.70 0.00	24.16 0.88 0.00	23.01 0.82 0.00	21.47 0.63 0.00	19.48 0.58 -0.03
COLDSPRG_115KV_BK1 355956	17.63 -0.64 -0.06	15.37 -0.61 -0.31	15.14 -0.49 -0.19	12.62 -0.32 -0.74	14.63 -0.38 -0.24	15.16 -0.57 -0.34	15.61 -0.63 -0.89	17.52 -0.65 -1.10	20.26 -0.44 -0.63	20.91 -0.02 -0.63	22.12 0.00 -0.54	22.66 -0.13 -0.73	23.71 -0.05 -0.83	21.42 -0.27 -1.06	21.74 -0.40 -1.23	21.84 -0.50 -1.50	21.49 -0.37 -2.23	26.45 -0.64 -1.44	25.40 -0.79 -0.61	24.82 0.07 -1.36	24.36 -0.05 -1.12	22.91 0.16 -0.56	20.93 -0.08 -0.17	18.56 -0.42 -0.11
COLONIE_LFGE___ 323577	19.54 0.91 -0.43	18.53 0.78 -2.07	17.51 0.80 -1.27	17.83 0.65 -4.99	17.20 0.78 -1.65	18.49 0.80 -2.30	44.50 0.84 -28.30	43.01 0.90 -25.04	41.58 1.12 -20.39	43.16 1.14 -21.72	43.49 1.19 -20.73	38.42 1.23 -15.12	39.08 1.31 -14.85	44.55 1.15 -22.77	43.01 1.17 -20.93	43.69 1.14 -21.71	52.89 1.10 -32.16	52.03 1.41 -24.96	56.53 1.38 -29.57	43.03 1.26 -18.38	39.65 1.23 -15.14	30.92 1.20 -7.53	24.26 1.15 -2.27	20.61 1.00 -0.75
COOPERNY_115KV_TB1 80082	19.19 0.73 -0.26	17.56 0.63 -1.25	16.80 0.59 -0.76	15.68 0.48 -3.01	16.33 0.56 -0.99	17.35 0.57 -1.39	19.50 0.57 -3.57	22.13 0.67 -4.39	23.47 0.92 -2.48	23.70 0.93 -2.46	24.69 0.99 -2.12	26.04 1.08 -2.90	27.33 1.12 -3.28	25.84 1.01 -4.20	26.84 1.07 -4.86	27.82 1.02 -5.97	29.47 1.00 -8.83	33.80 1.28 -6.86	31.72 1.23 -4.91	29.95 1.15 -5.42	28.86 1.12 -4.47	25.45 1.04 -2.22	22.48 0.96 -0.67	20.09 0.77 -0.45
COPENHAGEN_WT_PWR 323753	18.65 0.42 -0.02	16.12 0.34 -0.09	15.86 0.36 -0.06	12.56 0.13 -0.23	15.05 0.21 -0.07	15.73 0.23 -0.10	15.78 0.29 -0.13	17.69 0.29 -0.33	20.35 0.28 0.00	20.49 0.18 0.00	21.77 0.19 0.00	22.23 0.18 0.00	23.06 0.14 0.00	20.73 0.10 0.00	20.98 0.06 0.00	20.91 0.08 0.00	19.71 0.08 0.00	25.86 0.20 0.00	25.83 0.26 0.00	23.81 0.42 0.00	23.86 0.58 0.00	22.75 0.56 0.00	21.27 0.42 0.00	19.30 0.40 -0.03
CORNELL___ 23752	18.61 0.33 -0.08	16.33 0.28 -0.37	16.00 0.32 -0.23	13.31 0.22 -0.89	15.35 0.28 -0.29	16.03 0.23 -0.41	16.75 0.29 -1.10	18.67 0.32 -1.28	21.22 0.36 -0.79	21.48 0.39 -0.79	22.66 0.41 -0.68	23.42 0.44 -0.92	24.40 0.44 -1.04	22.33 0.37 -1.33	22.83 0.38 -1.54	23.12 0.40 -1.89	22.89 0.45 -2.81	28.68 0.56 -2.45	28.35 0.59 -2.18	25.85 0.75 -1.72	25.37 0.68 -1.41	23.52 0.62 -0.70	21.50 0.44 -0.21	19.40 0.40 -0.13
CORONA_AV_69_KV_TB1 355595	28.68 1.53 -8.95	26.68 1.29 -9.71	22.70 1.25 -6.00	21.12 1.01 -7.91	20.75 1.21 -4.76	26.38 1.22 -9.77	28.30 1.21 -11.73	28.33 1.43 -9.82	30.81 1.89 -8.86	33.06 1.91 -10.84	36.96 1.99 -13.40	33.63 2.14 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.92 2.03 -13.98	38.95 1.98 -16.14	40.76 1.90 -19.22	42.48 2.46 -14.36	42.94 2.38 -14.99	36.90 2.17 -11.34	40.52 2.14 -15.10	33.89 2.04 -9.66	31.70 1.96 -8.89	30.36 1.60 -9.89
CORTLAND_115KV_TB3 80093	18.45 0.18 -0.06	16.14 0.16 -0.30	15.83 0.20 -0.18	13.05 0.13 -0.73	15.19 0.18 -0.24	15.85 0.12 -0.33	16.40 0.17 -0.87	18.33 0.20 -1.05	20.92 0.24 -0.61	21.17 0.26 -0.61	22.40 0.30 -0.52	23.08 0.31 -0.71	24.05 0.32 -0.80	21.92 0.27 -1.03	22.37 0.27 -1.19	22.56 0.27 -1.46	22.09 0.29 -2.16	27.69 0.36 -1.68	27.11 0.33 -1.20	25.20 0.49 -1.32	24.79 0.42 -1.09	23.13 0.40 -0.54	21.28 0.27 -0.16	19.24 0.26 -0.11
COXSACKIE___GT 23611	19.59 0.98 -0.40	18.41 0.80 -1.94	17.38 0.76 -1.18	17.34 0.49 -4.66	16.93 0.62 -1.54	18.25 0.71 -2.15	16.17 0.84 0.03	18.37 0.82 -0.48	22.38 1.08 -1.23	22.20 1.20 -0.70	22.67 1.21 0.11	27.56 0.79 -4.71	29.77 0.80 -6.05	28.11 0.91 -6.58	31.34 1.13 -9.30	34.52 1.04 -12.65	39.37 1.00 -18.73	41.30 1.10 -14.54	33.58 1.23 -6.77	36.01 1.00 -11.62	33.81 0.95 -9.57	27.97 1.02 -4.76	23.12 0.83 -1.43	20.30 0.74 -0.70
CPV_VALLEY___CC1 323721	19.38 0.87 -0.30	17.85 0.74 -1.44	17.02 0.70 -0.88	16.21 0.56 -3.45	16.58 0.67 -1.14	17.66 0.68 -1.59	20.12 0.67 -4.09	22.91 0.80 -5.04	23.99 1.10 -2.83	24.23 1.12 -2.81	25.18 1.19 -2.42	26.64 1.28 -3.30	27.99 1.33 -3.74	26.63 1.22 -4.79	27.75 1.30 -5.54	28.86 1.23 -6.80	30.88 1.18 -10.07	35.02 1.54 -7.82	32.63 1.46 -5.60	30.89 1.33 -6.18	29.65 1.28 -5.09	25.94 1.22 -2.53	22.76 1.15 -0.76	20.29 0.91 -0.52

CPV_VALLEY___CC2 323722	19.38 0.87 -0.30	17.85 0.74 -1.44	17.02 0.70 -0.88	16.21 0.56 -3.45	16.58 0.67 -1.14	17.66 0.68 -1.59	20.12 0.67 -4.09	22.91 0.80 -5.04	23.99 1.10 -2.83	24.23 1.12 -2.81	25.18 1.19 -2.42	26.64 1.28 -3.30	27.99 1.33 -3.74	26.63 1.22 -4.79	27.75 1.30 -5.54	28.86 1.23 -6.80	30.88 1.18 -10.07	35.02 1.54 -7.82	32.63 1.46 -5.60	30.89 1.33 -6.18	29.65 1.28 -5.09	25.94 1.22 -2.53	22.76 1.15 -0.76	20.29 0.91 -0.52
CRESCENT___HYD 24018	19.54 0.91 -0.43	18.53 0.78 -2.07	17.51 0.80 -1.27	17.83 0.65 -4.99	17.20 0.78 -1.65	18.49 0.80 -2.30	44.50 0.84 -28.30	43.01 0.90 -25.04	41.58 1.12 -20.39	43.16 1.14 -21.72	43.49 1.19 -20.73	38.42 1.23 -15.12	39.08 1.31 -14.85	44.55 1.15 -22.77	43.01 1.17 -20.93	43.69 1.14 -21.71	52.89 1.10 -32.16	52.03 1.41 -24.96	56.53 1.38 -29.57	43.03 1.26 -18.38	39.65 1.23 -15.14	30.92 1.20 -7.53	24.26 1.15 -2.27	20.61 1.00 -0.75
CRICKET___VALLEY_CC1 323756	19.51 0.95 -0.36	18.23 0.81 -1.73	17.31 0.80 -1.06	17.01 0.65 -4.17	16.92 0.77 -1.38	18.12 0.80 -1.92	21.11 0.74 -5.01	23.97 0.82 -6.08	24.73 1.14 -3.52	24.94 1.14 -3.49	25.75 1.16 -3.01	27.61 1.28 -4.27	29.01 1.33 -4.76	28.07 1.22 -6.23	29.20 1.28 -7.02	30.49 1.19 -8.47	33.33 1.16 -12.54	36.85 1.46 -9.73	34.40 1.43 -7.39	32.37 1.31 -7.68	30.89 1.28 -6.33	26.56 1.22 -3.15	22.96 1.17 -0.95	20.51 1.02 -0.63
CRICKET___VALLEY_CC2 323757	19.51 0.95 -0.36	18.23 0.81 -1.73	17.31 0.80 -1.06	17.01 0.65 -4.17	16.92 0.77 -1.38	18.12 0.80 -1.92	21.11 0.74 -5.01	23.97 0.82 -6.08	24.73 1.14 -3.52	24.94 1.14 -3.49	25.75 1.16 -3.01	27.61 1.28 -4.27	29.01 1.33 -4.76	28.07 1.22 -6.23	29.20 1.28 -7.02	30.49 1.19 -8.47	33.33 1.16 -12.54	36.85 1.46 -9.73	34.40 1.43 -7.39	32.37 1.31 -7.68	30.89 1.28 -6.33	26.56 1.22 -3.15	22.96 1.17 -0.95	20.51 1.02 -0.63
CRICKET___VALLEY_CC3 323758	19.51 0.95 -0.36	18.23 0.81 -1.73	17.31 0.80 -1.06	17.01 0.65 -4.17	16.92 0.77 -1.38	18.12 0.80 -1.92	21.11 0.74 -5.01	23.97 0.82 -6.08	24.73 1.14 -3.52	24.94 1.14 -3.49	25.75 1.16 -3.01	27.61 1.28 -4.27	29.01 1.33 -4.76	28.07 1.22 -6.23	29.20 1.28 -7.02	30.49 1.19 -8.47	33.33 1.16 -12.54	36.85 1.46 -9.73	34.40 1.43 -7.39	32.37 1.31 -7.68	30.89 1.28 -6.33	26.56 1.22 -3.15	22.96 1.17 -0.95	20.51 1.02 -0.63
CRUCIBLE_METL_DRP 24180	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.31	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.51 -0.02 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.47 0.00 -0.28	20.89 -0.04 -0.08	18.95 0.02 -0.06
DAHOWA___HYDRO 323763	20.01 1.37 -0.43	18.93 1.14 -2.10	17.90 1.17 -1.29	18.19 0.93 -5.07	17.55 1.11 -1.67	18.90 1.17 -2.34	37.08 1.18 -20.54	35.42 1.30 -17.05	37.60 1.37 -16.17	38.60 1.44 -16.86	38.75 1.55 -15.62	37.28 1.54 -13.67	38.84 1.60 -14.31	42.30 1.40 -20.27	42.95 1.38 -20.66	45.55 1.42 -23.30	55.49 1.35 -34.50	54.24 1.80 -26.78	52.58 1.79 -25.21	45.41 1.73 -20.29	41.72 1.72 -16.71	32.14 1.64 -8.31	25.06 1.71 -2.50	21.10 1.47 -0.76
DANC___LFGE 323619	18.41 0.18 -0.02	15.93 0.14 -0.11	15.67 0.15 -0.07	12.48 0.02 -0.26	14.92 0.06 -0.09	15.58 0.06 -0.12	15.60 0.09 -0.15	17.56 0.10 -0.38	20.11 0.04 0.00	20.30 0.00 0.00	21.55 -0.02 0.00	22.04 -0.02 0.00	22.88 -0.05 0.00	20.55 -0.08 0.00	20.81 -0.10 0.00	20.73 -0.10 0.00	19.54 -0.10 0.00	25.58 -0.08 0.00	25.53 -0.05 0.00	23.50 0.12 0.00	23.49 0.21 0.00	22.41 0.22 0.00	20.97 0.13 0.00	19.07 0.17 -0.04
DANSKAMMER___1 23586	19.66 1.11 -0.34	18.27 0.94 -1.65	17.35 0.90 -1.01	16.86 0.68 -3.98	16.90 0.81 -1.31	18.06 0.83 -1.84	20.91 0.83 -4.73	23.81 0.94 -5.80	24.67 1.32 -3.28	24.92 1.36 -3.26	25.83 1.45 -2.81	27.34 1.46 -3.83	28.80 1.54 -4.34	27.63 1.44 -5.56	28.91 1.57 -6.43	30.20 1.48 -7.89	32.75 1.43 -11.68	36.52 1.80 -9.07	33.84 1.76 -6.50	32.10 1.54 -7.17	30.68 1.49 -5.91	26.57 1.44 -2.94	23.07 1.34 -0.88	20.54 1.07 -0.60
DANSKAMMER___2 23589	19.66 1.11 -0.34	18.27 0.94 -1.65	17.35 0.90 -1.01	16.86 0.68 -3.98	16.90 0.81 -1.31	18.06 0.83 -1.84	20.91 0.83 -4.73	23.81 0.94 -5.80	24.67 1.32 -3.28	24.92 1.36 -3.26	25.83 1.45 -2.81	27.34 1.46 -3.83	28.80 1.54 -4.34	27.63 1.44 -5.56	28.91 1.57 -6.43	30.20 1.48 -7.89	32.75 1.43 -11.68	36.52 1.80 -9.07	33.84 1.76 -6.50	32.10 1.54 -7.17	30.68 1.49 -5.91	26.57 1.44 -2.94	23.07 1.34 -0.88	20.54 1.07 -0.60
DANSKAMMER___3 23590	19.66 1.11 -0.34	18.27 0.94 -1.65	17.35 0.90 -1.01	16.86 0.68 -3.98	16.90 0.81 -1.31	18.06 0.83 -1.84	20.91 0.83 -4.73	23.81 0.94 -5.80	24.67 1.32 -3.28	24.92 1.36 -3.26	25.83 1.45 -2.81	27.34 1.46 -3.83	28.80 1.54 -4.34	27.63 1.44 -5.56	28.91 1.57 -6.43	30.20 1.48 -7.89	32.75 1.43 -11.68	36.52 1.80 -9.07	33.84 1.76 -6.50	32.10 1.54 -7.17	30.68 1.49 -5.91	26.57 1.44 -2.94	23.07 1.34 -0.88	20.54 1.07 -0.60
DANSKAMMER___4 23591	19.66 1.11 -0.34	18.27 0.94 -1.65	17.35 0.90 -1.01	16.86 0.68 -3.98	16.90 0.81 -1.31	18.06 0.83 -1.84	20.91 0.83 -4.73	23.81 0.94 -5.80	24.67 1.32 -3.28	24.92 1.36 -3.26	25.83 1.45 -2.81	27.34 1.46 -3.83	28.80 1.54 -4.34	27.63 1.44 -5.56	28.91 1.57 -6.43	30.20 1.48 -7.89	32.75 1.43 -11.68	36.52 1.80 -9.07	33.84 1.76 -6.50	32.10 1.54 -7.17	30.68 1.49 -5.91	26.57 1.44 -2.94	23.07 1.34 -0.88	20.54 1.07 -0.60
DANSKAMMER___DIESEL 23592	19.66 1.11 -0.34	18.27 0.94 -1.65	17.35 0.90 -1.01	16.86 0.68 -3.98	16.90 0.81 -1.31	18.06 0.83 -1.83	20.91 0.83 -4.73	23.81 0.94 -5.80	24.67 1.32 -3.28	24.92 1.36 -3.25	25.83 1.45 -2.80	27.34 1.46 -3.83	28.80 1.54 -4.34	27.63 1.44 -5.56	28.91 1.57 -6.43	30.20 1.48 -7.89	32.75 1.43 -11.68	36.53 1.80 -9.07	33.84 1.76 -6.50	32.10 1.54 -7.17	30.67 1.49 -5.91	26.59 1.46 -2.94	23.05 1.31 -0.88	20.54 1.08 -0.60
DARBY___SOLAR 323810	19.91 1.27 -0.43	18.86 1.08 -2.10	17.82 1.10 -1.28	18.13 0.88 -5.05	17.49 1.05 -1.67	18.82 1.09 -2.33	38.02 1.11 -21.56	36.39 1.23 -18.09	38.12 1.32 -16.73	39.19 1.38 -17.50	39.36 1.49 -16.29	37.44 1.50 -13.88	38.88 1.56 -14.39	42.60 1.36 -20.61	42.97 1.34 -20.72	45.32 1.37 -23.12	55.19 1.32 -34.24	53.96 1.72 -26.58	53.10 1.71 -25.81	45.09 1.64 -20.07	41.44 1.63 -16.53	31.96 1.55 -8.22	24.91 1.58 -2.47	21.00 1.38 -0.76
DASHVILLE___HYD 23610	19.29 0.73 -0.35	17.95 0.56 -1.71	17.03 0.54 -1.05	16.74 0.43 -4.12	16.62 0.49 -1.36	17.75 0.46 -1.90	19.51 0.75 -3.39	22.27 0.85 -4.34	23.92 1.22 -2.63	24.04 1.26 -2.47	24.83 1.32 -1.94	27.03 0.99 -3.97	28.64 1.03 -4.69	27.31 0.99 -5.70	29.06 1.11 -7.04	30.81 1.02 -8.96	33.91 1.00 -13.27	37.22 1.26 -10.30	33.23 1.23 -6.42	32.59 1.03 -8.18	31.02 1.00 -6.74	26.52 0.98 -3.35	22.75 0.90 -1.01	20.18 0.70 -0.62

DEERFIELD_69_KV_DEERFIELD LD 355887	29.10 1.95 -8.95	27.02 1.63 -9.71	22.96 1.51 -6.00	21.35 1.24 -7.91	21.01 1.48 -4.76	26.71 1.54 -9.77	28.64 1.55 -11.73	28.80 1.91 -9.82	31.48 2.55 -8.86	33.77 2.62 -10.84	37.59 2.61 -13.40	34.27 2.78 -9.43	37.69 2.93 -11.83	35.00 2.58 -11.79	37.61 2.72 -13.98	39.66 2.69 -16.14	41.45 2.59 -19.22	43.38 3.36 -14.36	43.84 3.27 -14.99	37.72 2.99 -11.34	41.36 2.98 -15.10	34.51 2.66 -9.66	32.16 2.42 -8.89	30.70 1.94 -9.89
DELAWARE___LFGE 323621	18.95 0.60 -0.14	16.86 0.50 -0.68	16.37 0.51 -0.41	14.20 0.38 -1.63	15.78 0.47 -0.54	16.62 0.48 -0.75	18.61 0.49 -2.76	20.02 0.56 -2.38	23.27 0.76 -2.44	23.50 0.77 -2.42	24.48 0.82 -2.09	25.72 0.88 -2.77	26.98 0.92 -3.14	25.46 0.80 -4.02	26.41 0.84 -4.66	27.38 0.83 -5.71	28.88 0.79 -8.46	33.23 1.00 -6.57	31.26 0.97 -4.71	29.52 0.98 -5.15	28.48 0.95 -4.25	25.21 0.91 -2.11	22.26 0.77 -0.64	19.75 0.64 -0.24
DERFIELD_115KV_TB7 355931	18.26 0.05 0.00	15.71 0.03 0.00	15.49 0.05 0.00	12.23 0.04 0.00	14.82 0.04 0.00	15.42 0.03 0.00	15.40 0.05 0.00	17.12 0.05 0.00	20.13 0.06 0.00	20.37 0.06 0.00	21.62 0.04 0.00	22.13 0.07 0.00	22.99 0.07 0.00	20.69 0.06 0.00	20.98 0.06 0.00	20.89 0.06 0.00	19.69 0.06 0.00	25.74 0.08 0.00	25.66 0.08 0.00	23.48 0.09 0.00	23.37 0.09 0.00	22.28 0.09 0.00	20.93 0.08 0.00	18.94 0.08 0.00
DOGLEVILLE___HYD 23807	17.81 -0.40 0.00	15.30 -0.38 0.00	15.15 -0.29 0.00	11.94 -0.26 0.00	14.48 -0.30 0.00	15.01 -0.38 0.00	15.05 -0.31 0.00	16.71 -0.36 0.00	19.64 -0.42 0.00	19.86 -0.45 0.00	21.10 -0.47 0.00	21.59 -0.46 0.00	22.44 -0.48 0.00	20.23 -0.39 0.00	20.54 -0.38 0.00	20.50 -0.33 0.00	19.34 -0.29 0.00	25.35 -0.31 0.00	25.32 -0.26 0.00	23.22 -0.16 0.00	23.16 -0.12 0.00	22.10 -0.09 0.00	20.72 -0.12 0.00	18.77 -0.09 0.00
DUNKIRK___115KV_TB_200 55889	17.68 -0.58 -0.06	15.42 -0.55 -0.29	15.20 -0.42 -0.18	12.65 -0.24 -0.70	14.69 -0.31 -0.23	15.21 -0.51 -0.32	15.59 -0.60 -0.83	17.46 -0.65 -1.04	20.06 -0.60 -0.59	20.71 -0.18 -0.59	21.91 -0.17 -0.51	22.46 -0.29 -0.69	23.47 -0.23 -0.78	21.19 -0.43 -0.99	21.50 -0.56 -1.15	21.62 -0.62 -1.41	21.23 -0.49 -2.09	25.80 -0.82 -0.96	24.48 -0.82 0.28	24.60 -0.07 -1.28	24.15 -0.19 -1.06	22.72 0.00 -0.53	20.82 -0.19 -0.16	18.63 -0.34 -0.11
DUNKIRK___1 23563	17.68 -0.58 -0.06	15.42 -0.55 -0.29	15.20 -0.42 -0.18	12.65 -0.24 -0.70	14.69 -0.31 -0.23	15.21 -0.51 -0.32	15.59 -0.60 -0.83	17.46 -0.65 -1.04	20.06 -0.60 -0.59	20.71 -0.18 -0.59	21.91 -0.17 -0.51	22.46 -0.29 -0.69	23.47 -0.23 -0.78	21.19 -0.43 -0.99	21.50 -0.56 -1.15	21.62 -0.62 -1.41	21.23 -0.49 -2.09	25.80 -0.82 -0.96	24.48 -0.82 0.28	24.60 -0.07 -1.28	24.15 -0.19 -1.06	22.72 0.00 -0.53	20.82 -0.19 -0.16	18.63 -0.34 -0.11
DUNKIRK___2 23564	17.68 -0.58 -0.06	15.42 -0.55 -0.29	15.20 -0.42 -0.18	12.65 -0.24 -0.70	14.69 -0.31 -0.23	15.21 -0.51 -0.32	15.59 -0.60 -0.83	17.46 -0.65 -1.04	20.06 -0.60 -0.59	20.71 -0.18 -0.59	21.91 -0.17 -0.51	22.46 -0.29 -0.69	23.47 -0.23 -0.78	21.19 -0.43 -0.99	21.50 -0.56 -1.15	21.62 -0.62 -1.41	21.23 -0.49 -2.09	25.80 -0.82 -0.96	24.48 -0.82 0.28	24.60 -0.07 -1.28	24.15 -0.19 -1.06	22.72 0.00 -0.53	20.82 -0.19 -0.16	18.63 -0.34 -0.11
DUNKIRK___3 23565	17.59 -0.67 -0.06	15.34 -0.63 -0.29	15.16 -0.46 -0.18	12.61 -0.28 -0.70	14.65 -0.35 -0.23	15.18 -0.54 -0.32	15.54 -0.65 -0.83	17.39 -0.72 -1.04	19.98 -0.68 -0.59	20.61 -0.28 -0.59	21.80 -0.28 -0.51	22.35 -0.40 -0.69	23.36 -0.34 -0.78	21.11 -0.52 -0.99	21.44 -0.63 -1.15	21.53 -0.71 -1.41	21.17 -0.55 -2.09	25.68 -0.90 -0.92	24.34 -0.87 0.37	24.48 -0.19 -1.28	24.01 -0.33 -1.05	22.58 -0.13 -0.52	20.71 -0.29 -0.16	18.54 -0.43 -0.11
DUNKIRK___4 23566	17.59 -0.67 -0.06	15.34 -0.63 -0.29	15.16 -0.46 -0.18	12.61 -0.28 -0.70	14.65 -0.35 -0.23	15.18 -0.54 -0.32	15.54 -0.65 -0.83	17.39 -0.72 -1.04	19.98 -0.68 -0.59	20.61 -0.28 -0.59	21.80 -0.28 -0.51	22.35 -0.40 -0.69	23.36 -0.34 -0.78	21.11 -0.52 -0.99	21.44 -0.63 -1.15	21.53 -0.71 -1.41	21.17 -0.55 -2.09	25.68 -0.90 -0.92	24.34 -0.87 0.37	24.48 -0.19 -1.28	24.01 -0.33 -1.05	22.58 -0.13 -0.52	20.71 -0.29 -0.16	18.54 -0.43 -0.11
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	19.73 1.18 -0.34	18.33 1.00 -1.65	17.41 0.96 -1.01	16.93 0.77 -3.97	17.00 0.92 -1.31	18.16 0.94 -1.83	21.00 0.94 -4.70	23.99 1.13 -5.79	24.87 1.55 -3.26	25.10 1.56 -3.23	26.02 1.66 -2.79	27.67 1.81 -3.80	29.11 1.88 -4.31	27.84 1.69 -5.52	29.06 1.76 -6.39	30.33 1.67 -7.84	32.87 1.63 -11.61	36.75 2.08 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.91 1.77 -5.86	26.75 1.64 -2.92	23.27 1.54 -0.88	20.67 1.21 -0.60
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.54 1.00 -0.33	18.13 0.85 -1.61	17.23 0.80 -0.98	16.69 0.62 -3.87	16.79 0.74 -1.28	17.93 0.75 -1.78	20.72 0.77 -4.59	23.60 0.89 -5.64	24.49 1.24 -3.18	24.74 1.28 -3.16	25.64 1.34 -2.72	27.17 1.39 -3.72	28.58 1.44 -4.21	27.36 1.34 -5.40	28.60 1.44 -6.25	29.87 1.37 -7.66	32.32 1.34 -11.35	36.16 1.69 -8.81	33.55 1.66 -6.31	31.80 1.45 -6.96	30.44 1.42 -5.74	26.42 1.38 -2.85	22.94 1.23 -0.86	20.44 1.00 -0.58
E179THST_138_KV_TB4_REV_LBMP_J 345001	19.96 1.40 -0.35	18.50 1.18 -1.65	17.56 1.11 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.91 1.59 -3.26	25.12 1.58 -3.23	26.09 1.73 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.08 2.05 -6.45	32.35 1.85 -7.12	31.00 1.86 -5.86	26.84 1.73 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60
E179THST_13_KV_LOAD 356214	20.03 1.47 -0.35	18.57 1.24 -1.65	17.61 1.16 -1.01	17.14 0.96 -3.98	17.23 1.14 -1.32	18.29 1.06 -1.83	21.12 1.06 -4.70	24.16 1.30 -5.79	25.01 1.69 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.94 2.07 -3.80	29.36 2.13 -4.31	28.06 1.92 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.08 1.85 -11.60	37.03 2.36 -9.01	34.21 2.17 -6.45	32.49 1.99 -7.12	31.12 1.98 -5.86	26.95 1.84 -2.92	23.64 1.92 -0.88	20.88 1.41 -0.60
EAST HAMPTON___GT 23717	29.34 2.18 -8.95	27.23 1.83 -9.71	23.18 1.73 -6.00	21.51 1.40 -7.91	21.20 1.67 -4.76	26.91 1.74 -9.78	28.84 1.75 -11.73	29.06 2.17 -9.82	31.79 2.87 -8.86	34.11 2.96 -10.84	37.95 2.98 -13.40	34.66 3.18 -9.43	38.03 3.28 -11.83	35.33 2.91 -11.79	37.90 3.01 -13.98	39.99 3.02 -16.14	41.76 2.91 -19.22	43.82 3.80 -14.36	44.27 3.71 -14.99	38.09 3.37 -11.34	41.71 3.33 -15.10	34.82 2.97 -9.66	32.49 2.75 -8.89	30.94 2.19 -9.89
EAST RIVER___6 23660	19.79 1.24 -0.34	18.40 1.07 -1.65	17.46 1.00 -1.01	17.01 0.84 -3.97	17.07 0.99 -1.31	18.16 0.94 -1.83	21.00 0.94 -4.70	24.04 1.18 -5.79	24.93 1.61 -3.25	25.14 1.60 -3.23	26.07 1.70 -2.79	27.74 1.87 -3.80	29.13 1.90 -4.31	27.86 1.71 -5.52	29.12 1.82 -6.39	30.38 1.71 -7.84	32.91 1.67 -11.60	36.82 2.16 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.93 1.79 -5.86	26.73 1.62 -2.92	23.37 1.65 -0.88	20.67 1.21 -0.60

EAST RIVER___7 23524	19.79 1.24 -0.34	18.40 1.07 -1.65	17.46 1.00 -1.01	17.01 0.84 -3.97	17.07 0.99 -1.31	18.16 0.94 -1.83	21.00 0.94 -4.70	24.04 1.18 -5.79	24.93 1.61 -3.25	25.14 1.60 -3.23	26.07 1.70 -2.79	27.74 1.87 -3.80	29.13 1.90 -4.31	27.86 1.71 -5.52	29.12 1.82 -6.39	30.38 1.71 -7.84	32.91 1.67 -11.60	36.82 2.16 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.93 1.79 -5.86	26.73 1.62 -2.92	23.37 1.65 -0.88	20.67 1.21 -0.60
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	19.69 1.15 -0.34	18.30 0.97 -1.65	17.38 0.93 -1.01	16.90 0.74 -3.96	16.97 0.89 -1.31	18.13 0.91 -1.83	20.96 0.91 -4.69	23.94 1.09 -5.78	24.80 1.48 -3.25	25.03 1.50 -3.23	25.95 1.60 -2.78	27.60 1.74 -3.80	29.03 1.81 -4.30	27.76 1.63 -5.51	28.98 1.69 -6.37	30.28 1.62 -7.82	32.78 1.57 -11.58	36.68 2.03 -8.99	33.94 1.92 -6.44	32.24 1.75 -7.10	30.85 1.72 -5.85	26.70 1.60 -2.91	23.20 1.48 -0.88	20.65 1.19 -0.59
EAST_HAMPTON___DIESEL 23722	29.35 2.20 -8.95	27.23 1.83 -9.71	23.18 1.73 -6.00	21.52 1.41 -7.91	21.22 1.68 -4.76	26.92 1.75 -9.78	28.85 1.77 -11.73	29.08 2.19 -9.82	31.82 2.89 -8.86	34.11 2.96 -10.84	37.97 3.00 -13.40	34.66 3.18 -9.43	38.05 3.30 -11.83	35.33 2.91 -11.79	37.90 3.01 -13.98	39.99 3.02 -16.14	41.76 2.91 -19.22	43.82 3.80 -14.36	44.27 3.71 -14.99	38.09 3.37 -11.34	41.71 3.33 -15.10	34.82 2.97 -9.66	32.49 2.75 -8.89	30.94 2.19 -9.89
EAST_PULASKI___ESR 323781	18.18 -0.05 -0.03	15.76 -0.05 -0.13	15.49 -0.03 -0.08	12.42 -0.07 -0.30	14.81 -0.06 -0.10	15.44 -0.09 -0.14	15.47 -0.06 -0.17	17.46 -0.05 -0.44	19.93 -0.14 0.00	20.14 -0.16 0.00	21.38 -0.19 0.00	21.86 -0.20 0.00	22.70 -0.23 0.00	20.40 -0.23 0.00	20.68 -0.23 0.00	20.58 -0.25 0.00	19.42 -0.22 0.00	25.35 -0.31 0.00	25.30 -0.28 0.00	23.24 -0.14 0.00	23.14 -0.14 0.00	22.10 -0.09 0.00	20.72 -0.13 0.00	18.85 -0.06 -0.05
EAST_RIVER___1 323558	19.80 1.26 -0.34	18.40 1.07 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.06 0.97 -1.31	18.19 0.97 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.20 1.67 -3.23	26.15 1.79 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.20 1.90 -6.39	30.46 1.79 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.39 1.67 -0.88	20.73 1.26 -0.60
EAST_RIVER___2 323559	19.79 1.24 -0.34	18.40 1.07 -1.65	17.46 1.00 -1.01	17.01 0.84 -3.97	17.07 0.99 -1.31	18.16 0.94 -1.83	21.00 0.94 -4.70	24.04 1.18 -5.79	24.93 1.61 -3.25	25.14 1.60 -3.23	26.07 1.70 -2.79	27.74 1.87 -3.80	29.13 1.90 -4.31	27.86 1.71 -5.52	29.12 1.82 -6.39	30.38 1.71 -7.84	32.91 1.67 -11.60	36.82 2.16 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.93 1.79 -5.86	26.73 1.62 -2.92	23.37 1.65 -0.88	20.67 1.21 -0.60
EAST___DELAWARE_HYD 23607	19.19 0.67 -0.31	17.72 0.55 -1.49	16.74 0.39 -0.91	16.06 0.27 -3.60	16.27 0.31 -1.19	17.47 0.42 -1.66	20.03 0.32 -4.35	22.69 0.38 -5.24	23.79 0.66 -3.07	24.02 0.67 -3.05	24.89 0.69 -2.62	26.35 0.71 -3.59	27.72 0.73 -4.06	26.56 0.72 -5.21	27.80 0.86 -6.03	29.02 0.79 -7.39	31.39 0.81 -10.95	35.19 1.03 -8.50	32.66 1.00 -6.09	30.93 0.82 -6.73	29.59 0.77 -5.54	25.70 0.75 -2.76	22.35 0.67 -0.83	19.89 0.49 -0.54
EIGHT_POINT___WT_PWR 323820	18.02 -0.25 -0.07	15.76 -0.27 -0.34	15.49 -0.17 -0.21	12.91 -0.11 -0.83	14.91 -0.13 -0.27	15.50 -0.28 -0.38	16.07 -0.29 -1.00	17.95 -0.32 -1.20	20.47 -0.30 -0.71	20.94 -0.06 -0.70	22.16 -0.02 -0.60	22.83 -0.04 -0.82	23.90 0.05 -0.93	21.71 -0.10 -1.19	22.12 -0.17 -1.38	22.31 -0.21 -1.69	22.04 -0.10 -2.50	29.92 -0.28 -4.54	32.57 -0.26 -7.25	25.17 0.26 -1.53	24.66 0.12 -1.26	23.00 0.18 -0.63	21.14 0.10 -0.19	18.90 -0.09 -0.12
ELBRIDGE_115KV_TB2 80188	18.19 -0.05 -0.04	15.83 -0.03 -0.18	15.54 -0.02 -0.11	12.60 -0.04 -0.44	14.89 -0.03 -0.15	15.53 -0.06 -0.20	15.80 -0.06 -0.51	17.69 -0.02 -0.64	20.32 -0.08 -0.34	20.58 -0.06 -0.33	21.80 -0.06 -0.29	22.39 -0.07 -0.39	23.28 -0.09 -0.44	21.09 -0.10 -0.57	21.47 -0.10 -0.66	21.54 -0.10 -0.81	20.77 -0.06 -1.20	26.44 -0.15 -0.93	26.09 -0.15 -0.67	24.10 -0.02 -0.73	23.81 -0.07 -0.60	22.43 -0.07 -0.30	20.83 -0.10 -0.09	18.89 -0.04 -0.07
ELEC_TRO_TEK 24086	28.61 1.46 -8.95	26.63 1.24 -9.71	22.61 1.16 -6.00	21.05 0.94 -7.91	20.64 1.11 -4.76	26.34 1.17 -9.77	28.22 1.14 -11.73	28.22 1.33 -9.82	30.69 1.77 -8.86	32.93 1.79 -10.84	36.83 1.86 -13.40	33.47 1.99 -9.43	36.82 2.06 -11.83	34.28 1.86 -11.79	36.83 1.94 -13.98	38.84 1.87 -16.14	40.66 1.81 -19.22	42.36 2.33 -14.36	42.82 2.25 -14.99	36.78 2.06 -11.34	40.38 2.00 -15.10	33.71 1.86 -9.66	31.53 1.79 -8.89	30.21 1.45 -9.89
ELLENBURG_WT_PWR 323604	18.35 0.14 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.65 -0.12 0.00	15.33 -0.06 0.00	15.16 -0.20 0.00	16.75 -0.32 0.00	19.62 -0.44 0.00	19.92 -0.39 0.00	21.23 -0.35 0.00	21.59 -0.46 0.00	22.37 -0.55 0.00	20.21 -0.41 0.00	20.45 -0.46 0.00	20.50 -0.33 0.00	19.20 -0.43 0.00	25.12 -0.54 0.00	25.09 -0.49 0.00	22.75 -0.63 0.00	22.77 -0.51 0.00	21.68 -0.51 0.00	20.47 -0.37 0.00	18.49 -0.38 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	17.48 -0.78 -0.06	15.25 -0.71 -0.27	15.12 -0.49 -0.17	12.56 -0.29 -0.66	14.64 -0.35 -0.22	15.11 -0.58 -0.30	15.45 -0.69 -0.79	17.16 -0.87 -0.96	19.65 -0.96 -0.54	20.23 -0.61 -0.54	21.41 -0.63 -0.46	21.94 -0.75 -0.63	22.93 -0.71 -0.71	20.67 -0.87 -0.91	20.98 -0.98 -1.06	21.11 -1.02 -1.29	20.71 -0.84 -1.92	24.93 -1.39 -0.65	23.59 -1.23 0.76	23.93 -0.63 -1.17	23.50 -0.74 -0.97	22.10 -0.58 -0.48	20.35 -0.65 -0.14	18.32 -0.64 -0.10
EMPIRE_CC_1 323656	19.25 0.64 -0.40	18.21 0.56 -1.97	17.25 0.60 -1.20	17.41 0.48 -4.74	16.93 0.59 -1.56	18.16 0.58 -2.18	6.84 0.57 9.09	9.87 0.58 7.78	16.33 0.78 4.52	15.39 0.79 5.71	15.75 0.75 6.58	24.93 0.79 -2.08	27.80 0.82 -4.05	23.79 0.76 -2.40	28.50 0.77 -6.81	32.92 0.77 -11.31	37.09 0.71 -16.75	39.54 0.87 -13.00	27.06 0.87 -0.61	34.56 0.82 -10.35	32.58 0.77 -8.53	27.21 0.78 -4.24	22.87 0.75 -1.28	20.25 0.68 -0.71
EMPIRE_CC_2 323658	19.25 0.64 -0.40	18.21 0.56 -1.97	17.25 0.60 -1.20	17.41 0.48 -4.74	16.93 0.59 -1.56	18.16 0.58 -2.18	6.84 0.57 9.09	9.87 0.58 7.78	16.33 0.78 4.52	15.39 0.79 5.71	15.75 0.75 6.58	24.93 0.79 -2.08	27.80 0.82 -4.05	23.79 0.76 -2.40	28.50 0.77 -6.81	32.92 0.77 -11.31	37.09 0.71 -16.75	39.54 0.87 -13.00	27.06 0.87 -0.61	34.56 0.82 -10.35	32.58 0.77 -8.53	27.21 0.78 -4.24	22.87 0.75 -1.28	20.25 0.68 -0.71
ENORWICH_115KV_TB1 80156	19.37 1.06 -0.10	17.03 0.85 -0.50	16.63 0.88 -0.31	13.97 0.57 -1.21	15.92 0.75 -0.40	16.70 0.75 -0.56	17.94 0.88 -1.70	19.78 0.96 -1.76	22.53 1.10 -1.36	22.69 1.04 -1.35	23.82 1.08 -1.16	24.76 1.15 -1.56	25.83 1.15 -1.76	23.90 1.01 -2.26	24.55 1.02 -2.61	25.18 1.15 -3.21	25.56 1.18 -4.75	31.12 1.64 -3.82	30.16 1.64 -2.95	28.13 1.85 -2.90	27.53 1.86 -2.39	25.04 1.66 -1.19	22.46 1.25 -0.36	20.16 1.11 -0.18

ERIE_ST__34_KV_TB1-2 80199	17.34 -0.93 -0.06	15.12 -0.85 -0.28	14.95 -0.66 -0.17	12.45 -0.43 -0.68	14.48 -0.52 -0.23	14.99 -0.72 -0.32	15.39 -0.78 -0.82	17.12 -0.96 -1.00	19.81 -0.82 -0.57	20.44 -0.43 -0.57	21.63 -0.43 -0.49	22.19 -0.53 -0.66	23.19 -0.48 -0.75	20.92 -0.66 -0.96	21.27 -0.75 -1.11	21.40 -0.79 -1.36	21.02 -0.63 -2.01	25.44 -1.08 -0.86	23.93 -1.23 0.42	24.24 -0.37 -1.23	23.78 -0.51 -1.02	22.34 -0.36 -0.51	20.50 -0.50 -0.15	18.21 -0.75 -0.10
ERIE_WT_PWR 323693	17.50 -0.76 -0.06	15.27 -0.69 -0.28	15.14 -0.48 -0.17	12.59 -0.28 -0.68	14.64 -0.35 -0.22	15.14 -0.57 -0.31	15.50 -0.66 -0.81	17.22 -0.84 -0.98	19.75 -0.88 -0.56	20.36 -0.51 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.81 -0.76 -0.94	21.12 -0.88 -1.09	21.25 -0.92 -1.34	20.86 -0.75 -1.98	25.13 -1.26 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.65 -0.63 -1.00	22.22 -0.47 -0.50	20.62 -0.37 -0.15	18.36 -0.60 -0.10
ESPRGFLD_115KV_TB1 80157	19.29 1.15 0.06	16.32 0.94 0.30	16.17 0.91 0.18	12.17 0.70 0.71	15.38 0.84 0.24	16.02 0.95 0.32	22.42 0.97 -6.09	18.18 1.09 -0.01	29.27 1.34 -7.86	29.55 1.36 -7.89	29.96 1.47 -6.91	31.53 1.52 -7.95	33.49 1.56 -9.00	33.50 1.34 -11.53	35.64 1.38 -13.35	38.60 1.40 -16.38	45.20 1.32 -24.25	46.26 1.77 -18.83	40.80 1.74 -13.49	39.79 1.78 -14.63	37.10 1.77 -12.05	29.85 1.66 -5.99	24.03 1.38 -1.80	19.91 1.15 0.11
ETNA_115_KV_TB1_REV_LBMP_C 345029	18.59 0.31 -0.08	16.31 0.27 -0.37	15.96 0.29 -0.23	13.28 0.20 -0.89	15.33 0.27 -0.29	16.02 0.22 -0.41	16.72 0.26 -1.10	18.64 0.29 -1.28	21.18 0.32 -0.79	21.44 0.35 -0.79	22.62 0.37 -0.68	23.37 0.40 -0.92	24.38 0.41 -1.04	22.29 0.33 -1.33	22.79 0.33 -1.54	23.10 0.37 -1.89	22.85 0.41 -2.80	28.58 0.51 -2.40	28.19 0.54 -2.07	25.80 0.70 -1.72	25.32 0.63 -1.41	23.47 0.58 -0.70	21.48 0.42 -0.21	19.38 0.38 -0.13
ETNA____115KV_TB2 80207	18.59 0.31 -0.08	16.31 0.27 -0.37	15.96 0.29 -0.23	13.28 0.20 -0.89	15.33 0.27 -0.29	16.02 0.22 -0.41	16.72 0.26 -1.10	18.64 0.29 -1.28	21.18 0.32 -0.79	21.44 0.35 -0.79	22.62 0.37 -0.68	23.37 0.40 -0.92	24.38 0.41 -1.04	22.29 0.33 -1.33	22.79 0.33 -1.54	23.10 0.37 -1.89	22.85 0.41 -2.80	28.58 0.51 -2.40	28.19 0.54 -2.07	25.80 0.70 -1.72	25.32 0.63 -1.41	23.47 0.58 -0.70	21.48 0.42 -0.21	19.38 0.38 -0.13
EUCLID____115KV_TB2 356179	18.04 -0.20 -0.03	15.65 -0.17 -0.15	15.41 -0.12 -0.09	12.44 -0.11 -0.35	14.76 -0.13 -0.12	15.37 -0.18 -0.16	15.39 -0.17 -0.20	17.43 -0.15 -0.51	19.83 -0.24 0.00	20.08 -0.22 0.00	21.34 -0.24 0.00	21.82 -0.24 0.00	22.67 -0.25 0.00	20.38 -0.25 0.00	20.64 -0.27 0.00	20.58 -0.25 0.00	19.42 -0.22 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	23.17 -0.21 0.00	23.02 -0.26 0.00	21.95 -0.24 0.00	20.60 -0.25 0.00	18.77 -0.15 -0.05
E_CANADA_CAP_HY 24051	20.26 1.53 -0.52	19.50 1.27 -2.55	18.24 1.24 -1.56	19.31 0.98 -6.14	17.95 1.15 -2.02	19.55 1.32 -2.83	28.29 1.30 -11.63	28.89 1.47 -10.34	31.55 1.70 -9.78	31.86 1.72 -9.83	32.08 1.88 -8.62	33.77 1.90 -9.81	36.01 1.97 -11.11	36.55 1.69 -14.24	39.10 1.72 -16.48	42.80 1.75 -20.21	51.20 1.63 -29.93	51.08 2.18 -23.24	44.45 2.22 -16.64	43.64 2.22 -18.04	40.39 2.26 -14.86	31.73 2.15 -7.39	24.93 1.85 -2.22	21.33 1.55 -0.92
E_CANADA_MHWK_HY 24050	17.81 -0.40 0.00	15.30 -0.38 0.00	15.15 -0.29 0.00	11.94 -0.26 0.00	14.48 -0.30 0.00	15.01 -0.38 0.00	15.05 -0.31 0.00	16.71 -0.36 0.00	19.64 -0.42 0.00	19.86 -0.45 0.00	21.10 -0.47 0.00	21.59 -0.46 0.00	22.44 -0.48 0.00	20.23 -0.39 0.00	20.54 -0.38 0.00	20.50 -0.33 0.00	19.34 -0.29 0.00	25.35 -0.31 0.00	25.32 -0.26 0.00	23.22 -0.16 0.00	23.16 -0.12 0.00	22.10 -0.09 0.00	20.72 -0.12 0.00	18.77 -0.09 0.00
E_FISHKILL____LBMP 23776	19.59 1.04 -0.35	18.24 0.88 -1.68	17.32 0.85 -1.03	16.93 0.68 -4.05	16.92 0.81 -1.34	18.09 0.83 -1.87	20.97 0.81 -4.80	23.92 0.94 -5.91	24.69 1.30 -3.32	24.92 1.32 -3.30	25.80 1.38 -2.84	27.44 1.50 -3.88	28.88 1.56 -4.39	27.66 1.40 -5.63	28.89 1.46 -6.51	30.22 1.40 -7.99	32.82 1.35 -11.84	36.59 1.74 -9.19	33.82 1.66 -6.58	32.16 1.52 -7.26	30.75 1.49 -5.98	26.59 1.42 -2.97	23.06 1.31 -0.90	20.55 1.08 -0.61
FALCON____SEABRD_CC1 323796	18.54 0.33 0.00	15.93 0.25 0.00	15.49 0.05 0.00	12.27 0.07 0.00	14.80 0.03 0.00	15.49 0.09 0.00	15.31 -0.05 0.00	16.92 -0.15 0.00	19.83 -0.24 0.00	20.10 -0.20 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.64 -0.27 0.00	20.71 -0.12 0.00	19.38 -0.26 0.00	25.33 -0.33 0.00	25.32 -0.26 0.00	22.94 -0.45 0.00	22.98 -0.30 0.00	21.88 -0.31 0.00	20.64 -0.21 0.00	18.64 -0.23 0.00
FALCON____SEABRD_CC2 323797	18.54 0.33 0.00	15.93 0.25 0.00	15.49 0.05 0.00	12.27 0.07 0.00	14.80 0.03 0.00	15.49 0.09 0.00	15.31 -0.05 0.00	16.92 -0.15 0.00	19.83 -0.24 0.00	20.10 -0.20 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.64 -0.27 0.00	20.71 -0.12 0.00	19.38 -0.26 0.00	25.33 -0.33 0.00	25.32 -0.26 0.00	22.94 -0.45 0.00	22.98 -0.30 0.00	21.88 -0.31 0.00	20.64 -0.21 0.00	18.64 -0.23 0.00
FAR ROCKAWAY____4 23548	28.83 1.68 -8.95	26.80 1.41 -9.71	22.82 1.37 -6.00	21.22 1.11 -7.91	20.87 1.33 -4.76	26.51 1.34 -9.77	28.42 1.34 -11.73	28.48 1.59 -9.82	30.99 2.07 -8.86	33.24 2.09 -10.84	37.18 2.20 -13.40	33.85 2.36 -9.43	36.98 2.22 -11.83	34.42 2.00 -11.79	36.98 2.09 -13.98	39.01 2.04 -16.14	40.84 1.98 -19.22	42.56 2.54 -14.36	43.02 2.46 -14.99	36.97 2.24 -11.34	40.59 2.21 -15.10	34.13 2.29 -9.66	31.91 2.17 -8.89	30.53 1.77 -9.89
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	19.82 1.27 -0.34	18.39 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	25.01 1.69 -3.26	25.24 1.71 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.39 1.67 -0.88	20.74 1.28 -0.60
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	19.82 1.27 -0.34	18.39 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.07 0.99 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	25.01 1.69 -3.26	25.24 1.71 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.44 1.94 -7.12	31.05 1.91 -5.86	26.88 1.78 -2.92	23.39 1.67 -0.88	20.74 1.28 -0.60
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	19.80 1.26 -0.34	18.39 1.07 -1.65	17.46 1.00 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.18 1.88 -6.39	30.46 1.79 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.42 1.92 -7.12	31.03 1.89 -5.86	26.86 1.75 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60

FARRAGUT___LBMP 323566	19.78 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.26	25.20 1.66 -3.23	26.15 1.79 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.10 2.07 -6.45	32.40 1.89 -7.12	31.00 1.86 -5.86	26.84 1.73 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
FENNER___WINDPWR 24204	18.54 0.29 -0.04	16.12 0.24 -0.20	15.86 0.29 -0.12	12.85 0.17 -0.49	15.17 0.24 -0.16	15.82 0.20 -0.22	16.18 0.26 -0.56	18.09 0.31 -0.71	20.79 0.34 -0.38	21.03 0.34 -0.38	22.27 0.37 -0.33	22.88 0.37 -0.44	23.81 0.39 -0.50	21.60 0.33 -0.64	21.99 0.33 -0.74	22.09 0.35 -0.91	21.35 0.37 -1.35	27.17 0.46 -1.05	26.79 0.46 -0.75	24.75 0.54 -0.82	24.49 0.54 -0.68	23.02 0.49 -0.34	21.33 0.38 -0.10	19.28 0.34 -0.07
FIBERTEK___ENERGY 23856	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.31	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.51 -0.02 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.47 0.00 -0.28	20.89 -0.04 -0.08	18.95 0.02 -0.06
FITZPATRICK____ 23598	17.79 -0.44 -0.02	15.41 -0.38 -0.10	15.17 -0.34 -0.06	12.18 -0.27 -0.25	14.53 -0.33 -0.08	15.14 -0.37 -0.12	15.13 -0.37 -0.14	17.05 -0.39 -0.37	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.05 -0.58 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.49 -0.42 -0.04
FLOWRFLD_69_KV_BK1 356044	28.81 1.66 -8.95	26.79 1.40 -9.71	22.70 1.25 -6.00	21.12 1.01 -7.91	20.75 1.21 -4.76	26.48 1.31 -9.77	28.35 1.26 -11.73	28.39 1.50 -9.82	30.95 2.03 -8.86	33.20 2.05 -10.84	37.00 2.03 -13.40	33.63 2.14 -9.43	37.04 2.29 -11.83	34.46 2.04 -11.79	37.06 2.17 -13.98	39.05 2.08 -16.14	40.88 2.02 -19.22	42.66 2.64 -14.36	43.12 2.56 -14.99	37.13 2.41 -11.34	40.76 2.37 -15.10	33.98 2.13 -9.66	31.72 1.98 -8.89	30.34 1.58 -9.89
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	19.70 1.15 -0.34	18.29 0.96 -1.66	17.37 0.91 -1.01	16.88 0.70 -3.99	16.92 0.83 -1.32	18.08 0.85 -1.84	20.94 0.84 -4.74	23.85 0.96 -5.82	24.70 1.34 -3.29	24.95 1.38 -3.26	25.86 1.47 -2.81	27.38 1.48 -3.84	28.83 1.56 -4.35	27.66 1.46 -5.57	28.95 1.59 -6.45	30.24 1.50 -7.91	32.80 1.45 -11.72	36.58 1.82 -9.10	33.88 1.79 -6.52	32.14 1.57 -7.19	30.72 1.51 -5.92	26.62 1.49 -2.95	23.07 1.33 -0.89	20.56 1.09 -0.60
FORT ORANGE____ 23900	19.24 0.62 -0.42	18.23 0.52 -2.03	17.23 0.54 -1.24	17.49 0.40 -4.89	16.92 0.53 -1.61	18.17 0.52 -2.26	12.30 0.55 3.61	14.21 0.58 3.44	20.33 0.74 0.48	19.71 0.75 1.35	19.95 0.73 2.36	27.75 0.75 -4.94	30.48 0.78 -6.78	28.08 0.72 -6.73	32.28 0.75 -10.62	36.66 0.73 -15.10	42.68 0.69 -22.36	43.86 0.85 -17.36	32.75 0.84 -6.33	38.15 0.82 -13.95	35.56 0.79 -11.49	28.68 0.78 -5.71	23.26 0.69 -1.72	20.18 0.59 -0.73
FORT_DRUM_COGEN 23780	18.72 0.49 -0.02	16.16 0.39 -0.09	15.90 0.40 -0.05	12.58 0.17 -0.21	15.08 0.24 -0.07	15.77 0.28 -0.10	15.82 0.34 -0.12	17.72 0.34 -0.31	20.39 0.32 0.00	20.53 0.22 0.00	21.81 0.24 0.00	22.28 0.22 0.00	23.11 0.18 0.00	20.75 0.12 0.00	21.00 0.08 0.00	20.96 0.12 0.00	19.75 0.12 0.00	25.94 0.28 0.00	25.91 0.33 0.00	23.88 0.49 0.00	23.95 0.68 0.00	22.83 0.64 0.00	21.35 0.50 0.00	19.37 0.47 -0.03
FPL_FAR_ROCK_GT1 24212	28.83 1.67 -8.95	26.80 1.41 -9.71	22.82 1.37 -6.00	21.22 1.11 -7.91	20.85 1.31 -4.76	26.51 1.34 -9.78	28.42 1.34 -11.73	28.48 1.59 -9.82	30.99 2.07 -8.86	33.24 2.09 -10.84	37.17 2.20 -13.40	33.85 2.36 -9.43	37.21 2.45 -11.83	34.63 2.21 -11.79	36.98 2.09 -13.98	39.01 2.04 -16.14	40.84 1.98 -19.22	42.59 2.57 -14.36	43.02 2.46 -14.99	36.97 2.25 -11.34	40.60 2.21 -15.10	34.11 2.26 -9.66	31.93 2.19 -8.90	30.53 1.77 -9.89
FPL_FAR_ROCK_GT2 23815	28.83 1.67 -8.95	26.80 1.41 -9.71	22.82 1.37 -6.00	21.22 1.11 -7.91	20.85 1.31 -4.76	26.51 1.34 -9.78	28.42 1.34 -11.73	28.48 1.59 -9.82	30.99 2.07 -8.86	33.24 2.09 -10.84	37.17 2.20 -13.40	33.85 2.36 -9.43	37.21 2.45 -11.83	34.63 2.21 -11.79	36.98 2.09 -13.98	39.01 2.04 -16.14	40.84 1.98 -19.22	42.59 2.57 -14.36	43.02 2.46 -14.99	36.97 2.25 -11.34	40.60 2.21 -15.10	34.11 2.26 -9.66	31.93 2.19 -8.90	30.53 1.77 -9.89
FRANKLIN_FALL_HYD 24054	18.41 0.20 0.00	15.84 0.16 0.00	15.44 0.00 0.00	12.23 0.04 0.00	14.76 -0.01 0.00	15.44 0.05 0.00	15.33 -0.03 0.00	16.97 -0.10 0.00	19.89 -0.18 0.00	20.14 -0.16 0.00	21.47 -0.11 0.00	21.82 -0.24 0.00	22.65 -0.28 0.00	20.44 -0.19 0.00	20.68 -0.23 0.00	20.71 -0.12 0.00	19.34 -0.29 0.00	25.30 -0.36 0.00	25.27 -0.31 0.00	22.89 -0.49 0.00	23.02 -0.26 0.00	21.84 -0.36 0.00	20.62 -0.23 0.00	18.66 -0.21 0.00
FREEPORT_EQUS_GT1 23764	28.74 1.58 -8.95	26.74 1.35 -9.71	22.72 1.27 -6.00	21.13 1.02 -7.91	20.75 1.21 -4.76	26.45 1.28 -9.78	28.33 1.24 -11.73	28.34 1.45 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.96 1.98 -13.40	33.63 2.14 -9.43	36.98 2.22 -11.83	34.40 1.98 -11.79	36.98 2.09 -13.98	39.01 2.04 -16.14	40.86 2.00 -19.22	42.61 2.59 -14.36	43.04 2.48 -14.99	36.99 2.27 -11.34	40.60 2.21 -15.10	33.89 2.04 -9.66	31.72 1.98 -8.89	30.36 1.60 -9.89
FREEPORT___CT2 23818	28.74 1.58 -8.95	26.74 1.35 -9.71	22.72 1.27 -6.00	21.13 1.02 -7.91	20.75 1.21 -4.76	26.45 1.28 -9.78	28.33 1.24 -11.73	28.34 1.45 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.96 1.98 -13.40	33.63 2.14 -9.43	36.98 2.22 -11.83	34.40 1.98 -11.79	36.98 2.09 -13.98	39.01 2.04 -16.14	40.86 2.00 -19.22	42.61 2.59 -14.36	43.04 2.48 -14.99	36.99 2.27 -11.34	40.60 2.21 -15.10	33.89 2.04 -9.66	31.72 1.98 -8.89	30.36 1.60 -9.89
FRESHKLS_33_KV_LOAD 356253	19.90 1.35 -0.35	18.46 1.13 -1.65	17.49 1.03 -1.01	17.01 0.84 -3.97	17.06 0.98 -1.31	18.13 0.91 -1.83	20.97 0.91 -4.70	23.95 1.09 -5.78	24.84 1.53 -3.25	25.07 1.54 -3.23	26.04 1.68 -2.78	27.75 1.90 -3.80	29.17 1.95 -4.30	27.91 1.77 -5.51	29.15 1.86 -6.38	30.43 1.77 -7.83	33.00 1.77 -11.60	36.92 2.26 -9.00	34.12 2.10 -6.44	32.39 1.89 -7.11	31.02 1.89 -5.85	26.82 1.71 -2.92	23.46 1.73 -0.88	20.73 1.26 -0.60
FULTON COGEN____ 23766	18.07 -0.16 -0.03	15.67 -0.14 -0.14	15.42 -0.11 -0.08	12.43 -0.10 -0.33	14.76 -0.12 -0.11	15.38 -0.17 -0.15	15.39 -0.15 -0.19	17.43 -0.12 -0.48	19.85 -0.22 0.00	20.08 -0.22 0.00	21.36 -0.22 0.00	21.82 -0.24 0.00	22.67 -0.25 0.00	20.38 -0.25 0.00	20.64 -0.27 0.00	20.56 -0.27 0.00	19.42 -0.22 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	23.17 -0.21 0.00	23.05 -0.23 0.00	21.95 -0.24 0.00	20.60 -0.25 0.00	18.76 -0.15 -0.05

FULTON___LFGE 323630	20.59 1.89 -0.49	19.66 1.58 -2.40	18.73 1.82 -1.46	19.42 1.45 -5.77	18.38 1.70 -1.90	19.70 1.65 -2.66	29.36 1.87 -12.12	29.10 2.06 -9.96	32.96 2.29 -10.61	33.22 2.25 -10.66	33.37 2.44 -9.36	35.26 2.43 -10.78	37.57 2.52 -12.12	38.44 2.15 -15.66	41.00 2.15 -17.93	44.91 2.23 -21.85	54.21 2.22 -32.36	53.83 3.05 -25.12	47.25 3.25 -18.42	46.15 3.27 -19.49	42.69 3.35 -16.06	33.31 3.13 -7.98	25.94 2.69 -2.40	21.99 2.26 -0.87
G.F.CEMENT___DRP 24184	20.23 1.58 -0.43	19.12 1.33 -2.11	18.09 1.36 -1.29	18.35 1.07 -5.09	17.72 1.27 -1.68	19.10 1.35 -2.35	35.53 1.37 -18.81	33.89 1.54 -15.28	36.79 1.50 -15.22	37.63 1.56 -15.76	37.80 1.75 -14.47	37.08 1.70 -13.33	38.85 1.77 -14.16	41.82 1.53 -19.67	42.93 1.46 -20.56	45.98 1.54 -23.60	56.06 1.47 -34.95	54.79 2.00 -27.13	51.75 1.97 -24.20	45.95 1.89 -20.67	42.22 1.91 -17.03	32.48 1.82 -8.47	25.38 1.98 -2.55	21.33 1.70 -0.76
GARDENVILLE___LBMP 24039	17.48 -0.78 -0.06	15.25 -0.71 -0.28	15.11 -0.51 -0.17	12.56 -0.30 -0.67	14.61 -0.38 -0.22	15.10 -0.60 -0.31	15.47 -0.69 -0.80	17.18 -0.87 -0.98	19.68 -0.94 -0.56	20.29 -0.57 -0.55	21.47 -0.58 -0.48	22.00 -0.71 -0.64	22.99 -0.66 -0.73	20.74 -0.83 -0.93	21.07 -0.92 -1.08	21.18 -0.98 -1.33	20.79 -0.80 -1.96	24.95 -1.31 -0.60	23.43 -1.20 0.94	24.03 -0.56 -1.20	23.57 -0.70 -0.99	22.17 -0.51 -0.49	20.39 -0.60 -0.15	18.32 -0.64 -0.10
GARDNVLA_35_KV_LD 355827	17.52 -0.75 -0.06	15.29 -0.67 -0.28	15.14 -0.48 -0.17	12.60 -0.27 -0.68	14.66 -0.34 -0.22	15.14 -0.57 -0.31	15.52 -0.65 -0.81	17.24 -0.82 -0.99	20.38 -0.86 -0.56	21.56 -0.49 -0.56	22.11 -0.50 -0.48	23.11 -0.60 -0.65	23.11 -0.55 -0.74	20.83 -0.74 -0.94	21.17 -0.84 -1.09	21.28 -0.90 -1.34	20.91 -0.71 -1.98	25.21 -1.23 -0.78	23.85 -1.18 0.55	24.13 -0.47 -1.21	23.70 -0.58 -1.00	22.27 -0.42 -0.50	20.50 -0.15 -0.15	18.38 -0.58 -0.10
GELCKHM___115KV_LOAD 80723	18.11 -0.13 -0.03	15.72 -0.11 -0.16	15.46 -0.08 -0.10	12.50 -0.07 -0.38	14.81 -0.09 -0.12	15.44 -0.12 -0.17	15.67 -0.11 -0.42	17.53 -0.09 -0.54	20.18 -0.16 -0.27	20.43 -0.14 -0.27	21.68 -0.13 -0.23	22.22 -0.15 -0.32	23.13 -0.16 -0.36	20.93 -0.17 -0.46	21.26 -0.19 -0.54	21.30 -0.19 -0.66	20.47 -0.14 -0.98	26.16 -0.26 -0.76	25.86 -0.26 -0.54	23.84 -0.14 -0.60	23.59 -0.19 -0.49	22.26 -0.18 -0.24	20.73 -0.19 -0.07	18.81 -0.11 -0.06
GENERAL___MILLS 23808	17.50 -0.76 -0.06	15.25 -0.71 -0.28	15.12 -0.49 -0.17	12.58 -0.29 -0.68	14.63 -0.37 -0.22	15.12 -0.58 -0.31	15.49 -0.68 -0.81	17.20 -0.85 -0.98	19.74 -0.88 -0.56	20.33 -0.53 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.78 -0.78 -0.94	21.12 -0.88 -1.09	21.23 -0.94 -1.34	20.86 -0.75 -1.98	25.11 -1.28 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.63 -0.65 -1.00	22.22 -0.47 -0.50	20.46 -0.54 -0.15	18.34 -0.62 -0.10
GE_PLASTICS___DRP 24183	19.21 0.58 -0.42	18.20 0.49 -2.03	17.20 0.51 -1.24	17.48 0.39 -4.89	16.89 0.50 -1.61	18.14 0.49 -2.25	15.29 0.51 0.58	17.42 0.55 0.20	21.87 0.70 -1.10	21.50 0.71 -0.49	21.90 0.73 0.41	27.91 0.77 -5.08	30.33 0.83 -6.58	28.44 0.74 -7.07	31.83 0.77 -10.14	35.44 0.73 -13.88	40.88 0.69 -20.56	42.46 0.85 -15.96	33.62 0.84 -7.20	36.93 0.80 -12.75	34.58 0.79 -10.50	28.17 0.75 -5.22	23.11 0.69 -1.57	20.20 0.60 -0.73
GILBOA___1 23756	19.14 0.60 -0.33	17.81 0.52 -1.61	16.96 0.53 -0.99	16.49 0.41 -3.88	16.56 0.50 -1.28	17.69 0.51 -1.79	20.28 0.51 -4.42	23.30 0.56 -5.66	23.75 0.74 -2.94	24.00 0.77 -2.92	24.90 0.80 -2.52	26.36 0.86 -3.44	27.72 0.89 -3.90	26.43 0.80 -4.99	27.53 0.84 -5.78	28.71 0.79 -7.09	30.86 0.73 -10.50	34.73 0.92 -8.15	32.31 0.89 -5.84	30.75 0.91 -6.45	29.48 0.88 -5.31	25.68 0.84 -2.64	22.44 0.79 -0.80	20.09 0.64 -0.58
GILBOA___2 23757	19.14 0.60 -0.33	17.81 0.52 -1.61	16.96 0.53 -0.99	16.49 0.41 -3.88	16.56 0.50 -1.28	17.69 0.51 -1.79	20.28 0.51 -4.42	23.30 0.56 -5.66	23.75 0.74 -2.94	24.00 0.77 -2.92	24.90 0.80 -2.52	26.36 0.86 -3.44	27.72 0.89 -3.90	26.43 0.80 -4.99	27.53 0.84 -5.78	28.71 0.79 -7.09	30.86 0.73 -10.50	34.73 0.92 -8.15	32.31 0.89 -5.84	30.75 0.91 -6.45	29.48 0.88 -5.31	25.68 0.84 -2.64	22.44 0.79 -0.80	20.09 0.64 -0.58
GILBOA___3 23758	19.14 0.60 -0.33	17.81 0.52 -1.61	16.96 0.53 -0.99	16.49 0.41 -3.88	16.56 0.50 -1.28	17.69 0.51 -1.79	20.28 0.51 -4.42	23.30 0.56 -5.66	23.75 0.74 -2.94	24.00 0.77 -2.92	24.90 0.80 -2.52	26.36 0.86 -3.44	27.72 0.89 -3.90	26.43 0.80 -4.99	27.53 0.84 -5.78	28.71 0.79 -7.09	30.86 0.73 -10.50	34.73 0.92 -8.15	32.31 0.89 -5.84	30.75 0.91 -6.45	29.48 0.88 -5.31	25.68 0.84 -2.64	22.44 0.79 -0.80	20.09 0.64 -0.58
GILBOA___4 23759	19.14 0.60 -0.33	17.81 0.52 -1.61	16.96 0.53 -0.99	16.49 0.41 -3.88	16.56 0.50 -1.28	17.69 0.51 -1.79	20.28 0.51 -4.42	23.30 0.56 -5.66	23.75 0.74 -2.94	24.00 0.77 -2.92	24.90 0.80 -2.52	26.36 0.86 -3.44	27.72 0.89 -3.90	26.43 0.80 -4.99	27.53 0.84 -5.78	28.71 0.79 -7.09	30.86 0.73 -10.50	34.73 0.92 -8.15	32.31 0.89 -5.84	30.75 0.91 -6.45	29.48 0.88 -5.31	25.68 0.84 -2.64	22.44 0.79 -0.80	20.09 0.64 -0.58
GILBOA___ 23599	19.14 0.60 -0.33	17.81 0.52 -1.61	16.96 0.53 -0.99	16.49 0.41 -3.88	16.56 0.50 -1.28	17.69 0.51 -1.79	20.28 0.51 -4.42	23.30 0.56 -5.66	23.75 0.74 -2.95	24.00 0.77 -2.93	24.90 0.80 -2.52	26.36 0.86 -3.44	27.72 0.89 -3.90	26.43 0.80 -4.99	27.53 0.84 -5.78	28.71 0.79 -7.09	30.86 0.73 -10.50	34.74 0.92 -8.15	32.31 0.90 -5.84	30.75 0.91 -6.45	29.48 0.88 -5.31	25.68 0.84 -2.64	22.42 0.77 -0.80	20.09 0.64 -0.58
GINNA___ 23603	17.17 -1.07 -0.04	14.95 -0.93 -0.20	14.75 -0.82 -0.12	12.05 -0.62 -0.48	14.18 -0.75 -0.16	14.74 -0.88 -0.22	15.01 -0.91 -0.56	16.80 -0.97 -0.69	19.18 -1.26 -0.38	19.56 -1.12 -0.37	20.78 -1.12 -0.32	21.24 -1.26 -0.43	22.16 -1.26 -0.49	20.06 -1.20 -0.63	20.37 -1.28 -0.73	20.46 -1.27 -0.90	19.82 -1.14 -1.33	25.02 -1.67 -1.03	24.80 -1.51 -0.73	22.98 -1.22 -0.81	22.69 -1.26 -0.67	21.33 -1.20 -0.33	19.78 -1.17 -0.10	17.96 -0.98 -0.07
GLEN PARK___ 23778	18.79 0.57 -0.02	16.22 0.45 -0.09	15.98 0.48 -0.06	12.63 0.22 -0.22	15.16 0.31 -0.07	15.83 0.34 -0.10	15.90 0.41 -0.12	17.82 0.43 -0.32	20.49 0.42 0.00	20.63 0.32 0.00	21.90 0.32 0.00	22.41 0.35 0.00	23.22 0.30 0.00	20.85 0.23 0.00	21.10 0.19 0.00	21.04 0.21 0.00	19.83 0.20 0.00	26.07 0.41 0.00	26.04 0.46 0.00	24.04 0.65 0.00	24.12 0.84 0.00	22.97 0.78 0.00	21.45 0.60 0.00	19.45 0.55 -0.03
GLENDALE_27_KV_LOAD 356172	19.96 1.40 -0.35	18.50 1.18 -1.65	17.56 1.11 -1.01	17.07 0.90 -3.97	17.16 1.08 -1.31	18.27 1.05 -1.83	21.14 1.08 -4.70	24.18 1.31 -5.79	25.09 1.77 -3.26	25.30 1.77 -3.23	26.28 1.92 -2.79	27.98 2.12 -3.80	29.41 2.18 -4.31	28.11 1.96 -5.52	29.35 2.05 -6.39	30.60 1.94 -7.84	33.14 1.90 -11.60	37.11 2.44 -9.01	34.31 2.28 -6.45	32.56 2.06 -7.12	31.19 2.05 -5.86	26.97 1.86 -2.92	23.56 1.83 -0.88	20.84 1.38 -0.60

GLENWOOD_IC_1_G5 23712	28.57 1.42 -8.95	26.60 1.21 -9.71	22.59 1.14 -6.00	21.03 0.93 -7.91	20.63 1.09 -4.76	26.31 1.14 -9.77	28.21 1.12 -11.73	28.22 1.33 -9.82	30.71 1.79 -8.86	32.95 1.81 -10.84	36.89 1.92 -13.40	33.56 2.07 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.85 1.97 -13.98	38.78 1.81 -16.14	40.60 1.75 -19.22	42.28 2.26 -14.36	42.71 2.15 -14.99	36.67 1.94 -11.34	40.29 1.91 -15.10	33.69 1.84 -9.66	31.53 1.79 -8.89	30.21 1.45 -9.89
GLENWOOD_IC_2_G1 23688	28.46 1.31 -8.95	26.50 1.11 -9.71	22.51 1.06 -6.00	20.96 0.85 -7.91	20.55 1.02 -4.76	26.22 1.05 -9.78	28.13 1.04 -11.73	28.12 1.23 -9.82	30.59 1.66 -8.86	32.83 1.68 -10.84	36.76 1.79 -13.40	33.43 1.94 -9.43	36.77 2.02 -11.83	34.24 1.82 -11.79	36.79 1.90 -13.98	38.76 1.79 -16.14	40.60 1.75 -19.22	42.28 2.26 -14.36	42.71 2.15 -14.99	36.69 1.96 -11.34	40.29 1.91 -15.10	33.62 1.78 -9.66	31.43 1.69 -8.89	30.09 1.34 -9.89
GLENWOOD_IC_3_G1 23689	28.46 1.31 -8.95	26.50 1.11 -9.71	22.51 1.06 -6.00	20.96 0.85 -7.91	20.55 1.02 -4.76	26.22 1.05 -9.78	28.13 1.04 -11.73	28.12 1.23 -9.82	30.59 1.66 -8.86	32.83 1.68 -10.84	36.76 1.79 -13.40	33.43 1.94 -9.43	36.77 2.02 -11.83	34.24 1.82 -11.79	36.79 1.90 -13.98	38.76 1.79 -16.14	40.60 1.75 -19.22	42.28 2.26 -14.36	42.71 2.15 -14.99	36.69 1.96 -11.34	40.29 1.91 -15.10	33.62 1.78 -9.66	31.43 1.69 -8.89	30.09 1.34 -9.89
GLENWOOD___4 23550	28.57 1.42 -8.95	26.60 1.21 -9.71	22.59 1.14 -6.00	21.03 0.93 -7.91	20.63 1.09 -4.76	26.31 1.14 -9.77	28.21 1.12 -11.73	28.22 1.33 -9.82	30.71 1.79 -8.86	32.95 1.81 -10.84	36.89 1.92 -13.40	33.56 2.07 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.88 1.99 -13.98	38.84 1.87 -16.14	40.66 1.81 -19.22	42.33 2.31 -14.36	42.76 2.20 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.73 1.89 -9.66	31.53 1.79 -8.89	30.21 1.45 -9.89
GLENWOOD___5 23614	28.57 1.42 -8.95	26.60 1.21 -9.71	22.59 1.14 -6.00	21.03 0.93 -7.91	20.63 1.09 -4.76	26.31 1.14 -9.77	28.21 1.12 -11.73	28.22 1.33 -9.82	30.71 1.79 -8.86	32.95 1.81 -10.84	36.89 1.92 -13.40	33.56 2.07 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.88 1.99 -13.98	38.84 1.87 -16.14	40.66 1.81 -19.22	42.33 2.31 -14.36	42.76 2.20 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.73 1.89 -9.66	31.53 1.79 -8.89	30.21 1.45 -9.89
GLOBAL GREEN_PORT_GT1 23814	29.28 2.13 -8.95	27.18 1.79 -9.71	23.13 1.68 -6.00	21.47 1.37 -7.91	21.16 1.63 -4.76	26.86 1.69 -9.78	28.79 1.70 -11.73	29.01 2.12 -9.82	31.73 2.81 -8.86	34.03 2.88 -10.84	37.88 2.91 -13.40	34.57 3.09 -9.43	37.96 3.21 -11.83	35.27 2.85 -11.79	37.84 2.95 -13.98	39.93 2.96 -16.14	41.70 2.85 -19.22	43.74 3.72 -14.36	44.19 3.63 -14.99	38.02 3.30 -11.34	41.67 3.28 -15.10	34.78 2.93 -9.66	32.43 2.69 -8.89	30.90 2.15 -9.89
GLOBE___DSASP 323697	17.24 -1.02 -0.05	15.07 -0.86 -0.26	15.02 -0.59 -0.16	12.46 -0.35 -0.62	14.54 -0.44 -0.21	14.96 -0.72 -0.29	14.81 -1.29 -0.75	16.38 -1.57 -0.87	18.64 -1.91 -0.48	19.21 -1.56 -0.47	20.34 -1.64 -0.40	20.81 -1.81 -0.56	21.75 -1.81 -0.63	19.59 -1.86 -0.82	19.87 -1.99 -0.95	19.98 -2.02 -1.17	19.61 -1.77 -1.74	24.33 -2.10 -0.77	23.84 -1.38 0.36	22.69 -1.75 -1.06	22.28 -1.86 -0.87	20.97 -1.64 -0.42	19.34 -1.63 -0.11	17.54 -1.40 -0.07
GOETHSLN___LBMP 323567	19.71 1.17 -0.34	18.30 0.97 -1.65	17.39 0.94 -1.01	16.93 0.77 -3.97	16.98 0.90 -1.31	18.13 0.91 -1.83	21.00 0.94 -4.70	24.02 1.16 -5.79	24.91 1.59 -3.26	25.14 1.60 -3.23	26.09 1.73 -2.79	27.74 1.88 -3.80	29.11 1.88 -4.31	27.86 1.71 -5.52	29.10 1.80 -6.39	30.38 1.71 -7.84	32.91 1.67 -11.60	36.80 2.13 -9.01	34.00 1.97 -6.45	32.30 1.80 -7.12	30.93 1.79 -5.86	26.77 1.66 -2.92	23.29 1.56 -0.88	20.67 1.21 -0.60
GOLAH___69_KV_TB 1_2 80279	17.92 -0.33 -0.04	15.59 -0.30 -0.21	15.37 -0.20 -0.13	12.59 -0.11 -0.51	14.82 -0.12 -0.17	15.41 -0.22 -0.23	15.67 -0.28 -0.59	17.46 -0.34 -0.73	19.96 -0.50 -0.39	20.43 -0.26 -0.39	21.68 -0.24 -0.34	22.17 -0.35 -0.46	23.15 -0.30 -0.52	20.88 -0.41 -0.67	21.18 -0.50 -0.77	21.24 -0.54 -0.95	20.67 -0.37 -1.41	26.01 -0.74 -1.09	25.82 -0.54 -0.78	24.01 -0.23 -0.86	23.59 -0.40 -0.71	22.26 -0.29 -0.35	20.60 -0.35 -0.11	18.75 -0.19 -0.08
GOODYEAR_LAKE_HYD 323669	19.07 0.78 -0.08	16.72 0.64 -0.39	16.32 0.63 -0.24	13.62 0.48 -0.95	15.68 0.59 -0.31	16.46 0.63 -0.44	19.47 0.66 -3.45	19.24 0.77 -1.40	24.93 0.98 -3.88	25.15 0.99 -3.85	25.97 1.08 -3.32	27.54 1.15 -4.33	29.00 1.17 -4.91	27.92 1.01 -6.29	29.23 1.05 -7.27	30.82 1.06 -8.92	33.85 1.00 -13.22	37.23 1.31 -10.26	34.18 1.25 -7.35	32.68 1.29 -8.01	31.13 1.26 -6.60	26.65 1.18 -3.28	22.82 0.98 -0.99	19.82 0.81 -0.14
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	18.37 0.05 -0.11	16.24 0.03 -0.53	15.84 0.08 -0.32	13.54 0.07 -1.27	15.28 0.09 -0.42	15.99 0.02 -0.59	16.99 0.05 -1.59	19.00 0.07 -1.86	21.37 0.14 -1.16	21.70 0.24 -1.15	22.85 0.28 -1.00	23.68 0.29 -1.34	24.76 0.32 -1.51	22.80 0.23 -1.94	23.39 0.23 -2.25	23.80 0.21 -2.76	23.97 0.26 -4.08	29.11 0.28 -3.17	28.08 0.23 -2.27	26.33 0.44 -2.50	25.69 0.35 -2.06	23.57 0.36 -1.02	21.39 0.23 -0.31	19.23 0.17 -0.19
GOUDEY___7 23579	18.37 0.05 -0.11	16.25 0.05 -0.53	15.86 0.09 -0.32	13.55 0.09 -1.27	15.30 0.10 -0.42	16.01 0.03 -0.59	17.01 0.06 -1.59	19.02 0.09 -1.86	21.41 0.18 -1.16	21.72 0.26 -1.15	22.87 0.30 -1.00	23.71 0.31 -1.34	24.78 0.34 -1.51	22.82 0.25 -1.94	23.41 0.25 -2.25	23.84 0.25 -2.76	23.99 0.27 -4.08	29.14 0.31 -3.17	28.13 0.28 -2.27	26.35 0.47 -2.50	25.71 0.37 -2.06	23.59 0.38 -1.02	21.41 0.25 -0.31	19.24 0.19 -0.19
GOUDEY___8 23580	18.37 0.05 -0.11	16.24 0.03 -0.53	15.84 0.08 -0.32	13.54 0.07 -1.27	15.28 0.09 -0.42	15.99 0.02 -0.59	16.99 0.05 -1.59	19.00 0.07 -1.86	21.37 0.14 -1.16	21.70 0.24 -1.15	22.85 0.28 -1.00	23.68 0.29 -1.34	24.76 0.32 -1.51	22.80 0.23 -1.94	23.39 0.23 -2.25	23.80 0.21 -2.76	23.97 0.26 -4.08	29.11 0.28 -3.17	28.08 0.23 -2.27	26.33 0.44 -2.50	25.69 0.35 -2.06	23.57 0.36 -1.02	21.39 0.23 -0.31	19.23 0.17 -0.19
GOWANUS_GT1_1 24077	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT1_2 24078	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60

GOWANUS_GT1_3 24079	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT1_4 24080	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT1_5 24084	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT1_6 24111	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT1_7 24112	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT1_8 24113	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_1 24114	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_2 24115	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_3 24116	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_4 24117	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_5 24118	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_6 24119	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_7 24120	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT2_8 24121	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
GOWANUS_GT3_1 24122	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60

GOWANUS_GT3_2 24123	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT3_3 24124	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT3_4 24125	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT3_5 24126	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT3_6 24127	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT3_7 24128	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT3_8 24129	19.94	18.51	17.53	17.06	17.12	18.21	21.06	24.08	24.99	25.22	26.19	27.92	29.34	28.04	29.31	30.56	33.12	37.08	34.28	32.54	31.12	26.90	23.56	20.80
	1.38	1.18	1.08	0.89	1.03	0.99	1.00	1.21	1.66	1.68	1.83	2.05	2.11	1.90	2.01	1.90	1.88	2.41	2.25	2.03	1.98	1.80	1.84	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.25	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_1 24130	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_2 24131	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_3 24132	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_4 24133	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_5 24134	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_6 24135	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_7 24136	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60
GOWANUS_GT4_8 24137	19.96	18.50	17.53	17.06	17.13	18.21	21.06	24.08	24.99	25.22	26.20	27.91	29.34	28.04	29.29	30.54	33.10	37.05	34.26	32.51	31.12	26.93	23.54	20.80
	1.40	1.18	1.08	0.89	1.05	0.99	1.00	1.21	1.67	1.69	1.83	2.05	2.11	1.90	1.99	1.87	1.87	2.39	2.23	2.01	1.98	1.82	1.81	1.34
	-0.35	-1.65	-1.01	-3.97	-1.31	-1.83	-4.70	-5.79	-3.26	-3.23	-2.79	-3.80	-4.31	-5.52	-6.39	-7.84	-11.60	-9.01	-6.45	-7.12	-5.86	-2.92	-0.88	-0.60

GREENBSH_115KV_TB3 55895	19.15 0.53 -0.42	18.16 0.44 -2.04	17.16 0.46 -1.25	17.46 0.35 -4.92	16.87 0.47 -1.62	18.11 0.46 -2.26	11.70 0.46 4.12	13.57 0.50 4.00	19.98 0.64 0.73	19.29 0.63 1.65	19.54 0.65 2.68	27.72 0.71 -4.95	30.55 0.76 -6.87	28.03 0.68 -6.73	32.38 0.69 -10.78	36.91 0.67 -15.41	43.08 0.63 -22.82	44.14 0.77 -17.72	32.56 0.74 -6.24	38.36 0.72 -14.25	35.71 0.70 -11.73	28.71 0.69 -5.84	23.23 0.63 -1.76	20.13 0.53 -0.74
GREENDGE_115KV_TB5 80291	18.20 -0.07 -0.07	15.93 -0.08 -0.33	15.66 0.02 -0.20	12.99 0.01 -0.79	15.05 0.01 -0.26	15.66 -0.09 -0.36	16.26 -0.05 -0.95	18.15 0.02 -1.06	20.70 0.02 -0.61	21.07 0.16 -0.61	22.31 0.22 -0.52	22.99 0.15 -0.78	23.99 0.18 -0.88	21.84 0.08 -1.13	22.26 0.04 -1.31	22.45 0.02 -1.60	22.14 0.14 -2.37	28.68 0.05 -2.96	29.55 0.13 -3.85	25.26 0.42 -1.45	24.76 0.28 -1.20	23.05 0.27 -0.59	21.09 0.06 -0.18	19.04 0.06 -0.12
GREENIDGE___3 23582	18.20 -0.07 -0.07	15.93 -0.08 -0.33	15.66 0.02 -0.20	12.99 0.01 -0.79	15.05 0.01 -0.26	15.66 -0.09 -0.36	16.26 -0.05 -0.95	18.15 0.02 -1.06	20.70 0.02 -0.61	21.07 0.16 -0.61	22.31 0.22 -0.52	22.99 0.15 -0.78	23.99 0.18 -0.88	21.84 0.08 -1.13	22.26 0.04 -1.31	22.45 0.02 -1.60	22.14 0.14 -2.37	28.68 0.05 -2.96	29.55 0.13 -3.85	25.26 0.42 -1.45	24.76 0.28 -1.20	23.05 0.27 -0.59	21.09 0.06 -0.18	19.04 0.06 -0.12
GREENIDGE___4 23583	18.18 -0.09 -0.07	15.93 -0.08 -0.33	15.66 0.02 -0.20	12.99 0.01 -0.79	15.05 0.01 -0.26	15.66 -0.09 -0.36	16.26 -0.05 -0.95	18.15 0.02 -1.06	20.76 0.02 -0.67	21.13 0.16 -0.67	22.37 0.22 -0.57	22.99 0.16 -0.78	23.99 0.18 -0.88	21.84 0.08 -1.13	22.26 0.04 -1.31	22.47 0.04 -1.60	22.12 0.12 -2.37	28.68 0.05 -2.96	29.55 0.13 -3.85	25.23 0.40 -1.45	24.76 0.28 -1.20	23.05 0.27 -0.59	21.17 0.15 -0.18	19.04 0.06 -0.12
GREENLWN_69_KV_BK 3 55738	28.55 1.40 -8.95	26.61 1.22 -9.71	22.59 1.14 -6.00	21.03 0.93 -7.91	20.64 1.11 -4.76	26.32 1.15 -9.77	28.19 1.11 -11.73	28.09 1.20 -9.82	30.57 1.65 -8.86	32.83 1.69 -10.84	36.68 1.70 -13.40	33.32 1.83 -9.43	36.68 1.93 -11.83	34.15 1.73 -11.79	36.71 1.82 -13.98	38.72 1.75 -16.14	40.56 1.71 -19.22	42.23 2.21 -14.36	42.66 2.10 -14.99	36.62 1.89 -11.34	40.24 1.86 -15.10	33.53 1.69 -9.66	31.39 1.65 -8.89	30.13 1.38 -9.89
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60
GRISSOM___SOLAR 323813	20.59 1.89 -0.49	19.66 1.58 -2.40	18.73 1.82 -1.46	19.42 1.45 -5.77	18.38 1.70 -1.90	19.70 1.65 -2.66	29.36 1.87 -12.12	29.10 2.06 -9.96	32.96 2.29 -10.61	33.22 2.25 -10.66	33.37 2.44 -9.36	35.26 2.43 -10.78	37.57 2.52 -12.12	38.44 2.15 -15.66	41.00 2.15 -17.93	44.91 2.23 -21.85	54.21 2.22 -32.36	53.83 3.05 -25.12	47.25 3.25 -18.42	46.15 3.27 -19.49	42.69 3.35 -16.06	33.31 3.13 -7.98	25.94 2.69 -2.40	21.99 2.26 -0.87
GROVEVILLE___HYD 323602	19.70 1.15 -0.34	18.29 0.96 -1.66	17.37 0.91 -1.01	16.88 0.70 -3.99	16.92 0.83 -1.32	18.08 0.85 -1.84	20.94 0.84 -4.74	23.85 0.96 -5.82	24.70 1.34 -3.29	24.95 1.38 -3.26	25.86 1.47 -2.81	27.38 1.48 -3.84	28.83 1.56 -4.35	27.66 1.46 -5.57	28.95 1.59 -6.45	30.24 1.50 -7.91	32.80 1.45 -11.72	36.58 1.82 -9.10	33.88 1.79 -6.52	32.14 1.57 -7.19	30.72 1.51 -5.92	26.62 1.49 -2.95	23.07 1.33 -0.89	20.56 1.09 -0.60
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.31	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.51 -0.02 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.47 0.00 -0.28	20.89 -0.04 -0.08	18.95 0.02 -0.06
HAMLTNNY_34_KV_TB 80303	18.30 0.05 -0.04	15.91 0.05 -0.18	15.62 0.06 -0.11	12.66 0.02 -0.44	14.96 0.04 -0.15	15.61 0.02 -0.20	15.88 0.02 -0.51	17.80 0.09 -0.64	20.44 0.04 -0.34	20.70 0.06 -0.34	21.97 0.11 -0.29	22.54 0.09 -0.39	23.44 0.07 -0.45	21.24 0.04 -0.57	21.60 0.02 -0.66	21.69 0.04 -0.81	20.92 0.08 -1.20	26.59 0.00 -0.94	26.27 0.03 -0.67	24.26 0.14 -0.74	23.98 0.09 -0.61	22.56 0.07 -0.30	20.94 0.00 -0.09	18.99 0.06 -0.07
HAMPSHIRE___PAPER_HYD 323593	18.42 0.20 -0.01	15.88 0.16 -0.05	15.60 0.12 -0.03	12.32 0.01 -0.11	14.84 0.03 -0.04	15.52 0.08 -0.05	15.53 0.11 -0.06	17.30 0.07 -0.16	20.11 0.04 0.00	20.28 -0.02 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.55 -0.08 0.00	20.79 -0.12 0.00	20.73 -0.10 0.00	19.40 -0.23 0.00	25.45 -0.21 0.00	25.40 -0.18 0.00	23.22 -0.16 0.00	23.42 0.14 0.00	22.39 0.20 0.00	21.04 0.19 0.00	19.03 0.15 -0.02
HARDSCRABBLE_WT_PWR 323673	17.75 -0.45 0.00	15.27 -0.41 0.00	15.09 -0.35 0.00	11.89 -0.30 0.00	14.42 -0.35 0.00	14.96 -0.43 0.00	14.99 -0.37 0.00	16.63 -0.44 0.00	19.57 -0.50 0.00	19.78 -0.53 0.00	21.02 -0.56 0.00	21.51 -0.55 0.00	22.37 -0.55 0.00	20.17 -0.45 0.00	20.47 -0.44 0.00	20.43 -0.40 0.00	19.30 -0.33 0.00	25.30 -0.36 0.00	25.27 -0.31 0.00	23.20 -0.19 0.00	23.14 -0.14 0.00	22.10 -0.09 0.00	20.72 -0.12 0.00	18.77 -0.09 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	19.55 1.02 -0.32	18.09 0.86 -1.55	17.23 0.83 -0.95	16.57 0.65 -3.73	16.77 0.77 -1.23	17.88 0.77 -1.72	20.57 0.80 -4.42	23.44 0.92 -5.44	24.41 1.28 -3.06	24.68 1.34 -3.04	25.62 1.42 -2.62	27.11 1.48 -3.57	28.50 1.54 -4.04	27.25 1.44 -5.18	28.48 1.57 -5.99	29.66 1.48 -7.35	31.96 1.43 -10.89	35.94 1.82 -8.45	33.42 1.79 -6.06	31.63 1.57 -6.68	30.30 1.51 -5.50	26.37 1.44 -2.74	22.99 1.31 -0.82	20.48 1.06 -0.56
HARSNRAD_115KV_TB1 81005	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.16	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.10 -0.57 -0.28	15.42 -0.66 -0.72	17.09 -0.87 -0.89	19.50 -1.06 -0.50	20.11 -0.69 -0.50	21.27 -0.73 -0.43	21.76 -0.88 -0.58	22.73 -0.85 -0.66	20.46 -1.01 -0.84	20.75 -1.13 -0.97	20.86 -1.17 -1.19	20.43 -0.96 -1.76	24.85 -1.57 -0.76	24.04 -1.18 0.36	23.69 -0.77 -1.08	23.31 -0.86 -0.89	21.95 -0.69 -0.44	20.25 -0.73 -0.13	18.31 -0.64 -0.09
HARZA MOOSE___RIVER 24016	18.62 0.40 -0.01	16.05 0.31 -0.06	15.84 0.36 -0.04	12.48 0.15 -0.14	15.03 0.21 -0.05	15.66 0.20 -0.07	15.70 0.26 -0.08	17.55 0.27 -0.21	20.37 0.30 0.00	20.55 0.24 0.00	21.81 0.24 0.00	22.28 0.22 0.00	23.13 0.21 0.00	20.79 0.17 0.00	21.06 0.15 0.00	21.06 0.23 0.00	19.83 0.20 0.00	25.99 0.33 0.00	25.91 0.33 0.00	23.78 0.40 0.00	23.81 0.54 0.00	22.70 0.51 0.00	21.31 0.46 0.00	19.30 0.42 -0.02

HDSNBRDG_115KV_BRDG_TB1 355580	18.13 -0.11 -0.03	15.74 -0.09 -0.16	15.48 -0.06 -0.10	12.51 -0.06 -0.38	14.82 -0.07 -0.12	15.44 -0.12 -0.17	15.67 -0.11 -0.42	17.55 -0.07 -0.55	20.20 -0.14 -0.28	20.46 -0.12 -0.27	21.71 -0.11 -0.24	22.27 -0.11 -0.32	23.17 -0.11 -0.36	20.97 -0.12 -0.47	21.31 -0.15 -0.54	21.35 -0.15 -0.66	20.52 -0.10 -0.98	26.19 -0.23 -0.76	25.92 -0.20 -0.55	23.89 -0.09 -0.60	23.63 -0.14 -0.49	22.30 -0.13 -0.25	20.76 -0.17 -0.07	18.85 -0.08 -0.06
HELLGATE_13_KV_LD 55870	19.90 1.35 -0.35	18.46 1.13 -1.65	17.52 1.07 -1.01	17.05 0.88 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.97 1.65 -3.26	25.20 1.66 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.48 1.75 -0.88	20.76 1.30 -0.60
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	19.90 1.35 -0.35	18.46 1.13 -1.65	17.52 1.07 -1.01	17.05 0.88 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.97 1.65 -3.26	25.20 1.66 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.48 1.75 -0.88	20.76 1.30 -0.60
HEMPSTEAD____ 23647	28.57 1.42 -8.95	26.62 1.22 -9.71	22.58 1.13 -6.00	21.02 0.92 -7.91	20.63 1.09 -4.76	26.32 1.16 -9.78	28.21 1.12 -11.73	28.21 1.31 -9.82	30.67 1.74 -8.86	32.91 1.77 -10.84	36.81 1.83 -13.40	33.47 1.99 -9.43	36.82 2.06 -11.83	34.28 1.86 -11.79	36.83 1.95 -13.98	38.82 1.85 -16.14	40.66 1.81 -19.22	42.36 2.33 -14.36	42.79 2.22 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.67 1.82 -9.66	31.51 1.77 -8.89	30.19 1.43 -9.89
HEWLETT__69_KV_BK3 55828	28.75 1.60 -8.95	26.74 1.35 -9.71	22.76 1.31 -6.00	21.17 1.06 -7.91	20.81 1.27 -4.76	26.45 1.28 -9.77	28.36 1.27 -11.73	28.39 1.50 -9.82	30.89 1.97 -8.86	33.14 1.99 -10.84	37.05 2.07 -13.40	33.71 2.23 -9.43	36.95 2.20 -11.83	34.40 1.98 -11.79	36.96 2.07 -13.98	38.99 2.02 -16.14	40.80 1.94 -19.22	42.54 2.51 -14.36	42.97 2.40 -14.99	36.92 2.20 -11.34	40.55 2.16 -15.10	34.00 2.15 -9.66	31.80 2.06 -8.89	30.43 1.68 -9.89
HICKLING___1 23621	18.24 -0.05 -0.09	16.02 -0.08 -0.42	15.68 -0.02 -0.25	13.20 0.00 -1.00	15.12 0.01 -0.33	15.78 -0.08 -0.46	16.47 -0.11 -1.22	18.48 -0.09 -1.49	20.95 0.00 -0.88	21.39 0.20 -0.88	22.61 0.28 -0.76	23.33 0.26 -1.01	24.39 0.32 -1.14	22.28 0.19 -1.47	22.75 0.15 -1.70	23.04 0.12 -2.08	22.91 0.20 -3.08	28.62 0.15 -2.80	28.36 0.13 -2.65	25.76 0.49 -1.89	25.18 0.35 -1.55	23.34 0.38 -0.77	21.25 0.17 -0.23	19.09 0.08 -0.15
HICKLING___2 23622	18.24 -0.05 -0.09	16.02 -0.08 -0.42	15.68 -0.02 -0.25	13.20 0.00 -1.00	15.12 0.01 -0.33	15.78 -0.08 -0.46	16.47 -0.11 -1.22	18.48 -0.09 -1.49	20.95 0.00 -0.88	21.39 0.20 -0.88	22.61 0.28 -0.76	23.33 0.26 -1.01	24.39 0.32 -1.14	22.28 0.19 -1.47	22.75 0.15 -1.70	23.04 0.12 -2.08	22.91 0.20 -3.08	28.62 0.15 -2.80	28.36 0.13 -2.65	25.76 0.49 -1.89	25.18 0.35 -1.55	23.34 0.38 -0.77	21.25 0.17 -0.23	19.09 0.08 -0.15
HIGH FALLS___HY 23754	19.49 0.95 -0.34	18.11 0.78 -1.65	17.21 0.76 -1.01	16.73 0.56 -3.97	16.73 0.65 -1.31	17.87 0.65 -1.83	19.65 0.68 -3.62	22.43 0.79 -4.57	23.93 1.16 -2.70	24.06 1.18 -2.58	24.91 1.25 -2.08	27.14 1.26 -3.82	28.70 1.31 -4.46	27.36 1.24 -5.50	28.98 1.38 -6.68	30.58 1.31 -8.44	33.42 1.30 -12.49	37.00 1.64 -9.70	33.47 1.64 -6.25	32.46 1.38 -7.69	30.94 1.33 -6.34	26.65 1.31 -3.15	22.96 1.17 -0.95	20.40 0.94 -0.59
HILLBURN___GT 23639	19.55 1.02 -0.32	18.11 0.86 -1.57	17.25 0.85 -0.96	16.66 0.68 -3.79	16.83 0.81 -1.25	17.92 0.78 -1.75	20.68 0.84 -4.48	23.58 0.99 -5.52	24.55 1.38 -3.10	24.80 1.42 -3.08	25.76 1.53 -2.65	27.31 1.63 -3.62	28.72 1.70 -4.10	27.45 1.57 -5.25	28.67 1.67 -6.08	29.87 1.58 -7.46	32.21 1.53 -11.05	36.21 1.98 -8.58	33.61 1.89 -6.14	31.85 1.68 -6.78	30.49 1.63 -5.58	26.50 1.53 -2.78	23.12 1.44 -0.84	20.57 1.13 -0.57
HILLSIDE_115KV_TB1 80332	17.93 -0.36 -0.09	15.76 -0.34 -0.43	15.46 -0.25 -0.26	13.06 -0.17 -1.04	14.92 -0.19 -0.34	15.55 -0.32 -0.48	16.32 -0.31 -1.27	18.27 -0.36 -1.56	20.69 -0.30 -0.93	21.13 -0.10 -0.92	22.31 -0.06 -0.79	23.02 -0.09 -1.05	24.07 -0.05 -1.19	22.02 -0.12 -1.52	22.53 -0.15 -1.76	22.82 -0.17 -2.16	22.73 -0.10 -3.20	28.28 -0.18 -2.80	27.84 -0.23 -2.49	25.46 0.12 -1.96	24.87 -0.02 -1.61	23.04 0.04 -0.80	20.96 -0.13 -0.24	18.83 -0.19 -0.16
HISHELDN_WT_PWR 323625	17.54 -0.73 -0.06	15.30 -0.67 -0.30	15.12 -0.51 -0.18	12.60 -0.32 -0.72	14.61 -0.40 -0.24	15.13 -0.60 -0.33	15.53 -0.69 -0.86	17.26 -0.87 -1.05	19.73 -0.94 -0.61	20.30 -0.61 -0.60	21.47 -0.63 -0.52	22.05 -0.71 -0.70	23.07 -0.64 -0.79	20.86 -0.78 -1.01	21.19 -0.90 -1.17	21.29 -0.98 -1.44	20.92 -0.84 -2.13	23.88 -1.34 0.44	20.86 -1.23 3.49	24.06 -0.63 -1.30	23.61 -0.75 -1.07	22.17 -0.55 -0.53	20.53 -0.48 -0.16	18.37 -0.60 -0.11
HOLTSVILLE_IC_1 23690	28.66 1.51 -8.95	26.66 1.27 -9.71	22.61 1.16 -6.00	21.06 0.95 -7.91	20.67 1.14 -4.76	26.37 1.20 -9.78	28.27 1.18 -11.73	28.31 1.42 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.87 1.90 -13.40	33.47 1.99 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.76 1.90 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.78 1.93 -9.66	31.59 1.85 -8.89	30.23 1.47 -9.89
HOLTSVILLE_IC_10 23699	28.79 1.64 -8.95	26.76 1.36 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.46 1.29 -9.78	28.33 1.24 -11.73	28.39 1.50 -9.82	30.95 2.03 -8.86	33.19 2.05 -10.84	37.00 2.03 -13.40	33.60 2.12 -9.43	37.00 2.25 -11.83	34.42 2.00 -11.79	37.02 2.13 -13.98	39.05 2.08 -16.14	40.90 2.04 -19.22	42.69 2.67 -14.36	43.15 2.58 -14.99	37.11 2.39 -11.34	40.73 2.35 -15.10	33.96 2.11 -9.66	31.72 1.98 -8.89	30.32 1.56 -9.89
HOLTSVILLE_IC_2 23691	28.66 1.51 -8.95	26.66 1.27 -9.71	22.61 1.16 -6.00	21.06 0.95 -7.91	20.67 1.14 -4.76	26.37 1.20 -9.78	28.27 1.18 -11.73	28.31 1.42 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.87 1.90 -13.40	33.47 1.99 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.76 1.90 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.78 1.93 -9.66	31.59 1.85 -8.89	30.23 1.47 -9.89
HOLTSVILLE_IC_3 23692	28.66 1.51 -8.95	26.66 1.27 -9.71	22.61 1.16 -6.00	21.06 0.95 -7.91	20.67 1.14 -4.76	26.37 1.20 -9.78	28.27 1.18 -11.73	28.31 1.42 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.87 1.90 -13.40	33.47 1.99 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.76 1.90 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.78 1.93 -9.66	31.59 1.85 -8.89	30.23 1.47 -9.89

HOLTSVILLE_IC_4 23693	28.66 1.51 -8.95	26.66 1.27 -9.71	22.61 1.16 -6.00	21.06 0.95 -7.91	20.67 1.14 -4.76	26.37 1.20 -9.78	28.27 1.18 -11.73	28.31 1.42 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.87 1.90 -13.40	33.47 1.99 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.76 1.90 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.78 1.93 -9.66	31.59 1.85 -8.89	30.23 1.47 -9.89
HOLTSVILLE_IC_5 23694	28.66 1.51 -8.95	26.66 1.27 -9.71	22.61 1.16 -6.00	21.06 0.95 -7.91	20.67 1.14 -4.76	26.37 1.20 -9.78	28.27 1.18 -11.73	28.31 1.42 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.87 1.90 -13.40	33.47 1.99 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.76 1.90 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.78 1.93 -9.66	31.59 1.85 -8.89	30.23 1.47 -9.89
HOLTSVILLE_IC_6 23695	28.79 1.64 -8.95	26.76 1.36 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.46 1.29 -9.78	28.33 1.24 -11.73	28.39 1.50 -9.82	30.95 2.03 -8.86	33.19 2.05 -10.84	37.00 2.03 -13.40	33.60 2.12 -9.43	37.00 2.25 -11.83	34.42 2.00 -11.79	37.02 2.13 -13.98	39.05 2.08 -16.14	40.90 2.04 -19.22	42.69 2.67 -14.36	43.15 2.58 -14.99	37.11 2.39 -11.34	40.73 2.35 -15.10	33.96 2.11 -9.66	31.72 1.98 -8.89	30.32 1.56 -9.89
HOLTSVILLE_IC_7 23696	28.79 1.64 -8.95	26.76 1.36 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.46 1.29 -9.78	28.33 1.24 -11.73	28.39 1.50 -9.82	30.95 2.03 -8.86	33.19 2.05 -10.84	37.00 2.03 -13.40	33.60 2.12 -9.43	37.00 2.25 -11.83	34.42 2.00 -11.79	37.02 2.13 -13.98	39.05 2.08 -16.14	40.90 2.04 -19.22	42.69 2.67 -14.36	43.15 2.58 -14.99	37.11 2.39 -11.34	40.73 2.35 -15.10	33.96 2.11 -9.66	31.72 1.98 -8.89	30.32 1.56 -9.89
HOLTSVILLE_IC_8 23697	28.79 1.64 -8.95	26.76 1.36 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.46 1.29 -9.78	28.33 1.24 -11.73	28.39 1.50 -9.82	30.95 2.03 -8.86	33.19 2.05 -10.84	37.00 2.03 -13.40	33.60 2.12 -9.43	37.00 2.25 -11.83	34.42 2.00 -11.79	37.02 2.13 -13.98	39.05 2.08 -16.14	40.90 2.04 -19.22	42.69 2.67 -14.36	43.15 2.58 -14.99	37.11 2.39 -11.34	40.73 2.35 -15.10	33.96 2.11 -9.66	31.72 1.98 -8.89	30.32 1.56 -9.89
HOLTSVILLE_IC_9 23698	28.79 1.64 -8.95	26.76 1.36 -9.71	22.69 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.46 1.29 -9.78	28.33 1.24 -11.73	28.39 1.50 -9.82	30.95 2.03 -8.86	33.19 2.05 -10.84	37.00 2.03 -13.40	33.60 2.12 -9.43	37.00 2.25 -11.83	34.42 2.00 -11.79	37.02 2.13 -13.98	39.05 2.08 -16.14	40.90 2.04 -19.22	42.69 2.67 -14.36	43.15 2.58 -14.99	37.11 2.39 -11.34	40.73 2.35 -15.10	33.96 2.11 -9.66	31.72 1.98 -8.89	30.32 1.56 -9.89
HOMER_HL_115KV_TB2 355744	17.18 -1.09 -0.06	14.99 -1.00 -0.32	14.77 -0.86 -0.19	12.36 -0.60 -0.76	14.31 -0.71 -0.25	14.87 -0.88 -0.35	15.35 -0.92 -0.91	17.16 -1.04 -1.13	19.95 -0.76 -0.65	20.54 -0.41 -0.65	21.77 -0.37 -0.56	22.33 -0.49 -0.75	23.34 -0.44 -0.85	21.14 -0.58 -1.09	21.53 -0.65 -1.26	21.70 -0.69 -1.55	21.36 -0.57 -2.30	26.52 -0.82 -1.68	25.42 -1.23 -1.07	24.54 -0.26 -1.41	24.00 -0.44 -1.16	22.48 -0.29 -0.58	20.54 -0.48 -0.17	18.11 -0.87 -0.12
HOWARD_WT_PWR 323690	18.02 -0.25 -0.07	15.76 -0.27 -0.35	15.49 -0.17 -0.21	12.92 -0.11 -0.84	14.92 -0.13 -0.28	15.50 -0.28 -0.39	16.07 -0.31 -1.02	17.97 -0.32 -1.22	20.46 -0.32 -0.72	20.94 -0.08 -0.71	22.17 -0.02 -0.61	22.85 -0.04 -0.83	23.91 0.05 -0.94	21.73 -0.10 -1.21	22.17 -0.15 -1.40	22.36 -0.19 -1.72	22.09 -0.08 -2.54	29.76 -0.26 -4.36	32.13 -0.23 -6.78	25.22 0.28 -1.56	24.70 0.14 -1.28	23.01 0.18 -0.64	21.15 0.10 -0.19	18.90 -0.09 -0.13
HQ_GEN_CEDARS 23644	18.06 -0.15 0.00	15.55 -0.13 0.00	15.27 -0.17 0.00	12.08 -0.11 0.00	14.63 -0.15 0.00	15.32 -0.08 0.00	15.28 -0.08 0.00	16.95 -0.12 0.00	19.89 -0.18 0.00	20.10 -0.20 0.00	21.40 -0.17 0.00	21.84 -0.22 0.00	22.67 -0.25 0.00	20.44 -0.19 0.00	20.68 -0.23 0.00	20.64 -0.19 0.00	19.34 -0.29 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	22.94 -0.44 0.00	23.02 -0.26 0.00	21.92 -0.27 0.00	20.64 -0.21 0.00	18.68 -0.19 0.00
HQ_GEN_CEDARS_PROXY 323590	18.06 -0.15 0.00	15.55 -0.13 0.00	15.28 -0.17 0.00	12.08 -0.11 0.00	14.63 -0.15 0.00	15.32 -0.08 0.00	15.28 -0.08 0.00	16.95 -0.12 0.00	19.89 -0.18 0.00	20.10 -0.20 0.00	21.40 -0.17 0.00	21.84 -0.22 0.00	22.67 -0.25 0.00	20.44 -0.19 0.00	20.66 -0.25 0.00	20.62 -0.21 0.00	19.34 -0.29 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	22.94 -0.45 0.00	23.02 -0.26 0.00	21.97 -0.22 0.00	20.66 -0.19 0.00	18.68 -0.19 0.00
HQ_GEN_IMPORT 323601	17.97 -0.24 0.00	15.47 -0.20 0.00	15.21 -0.23 0.00	12.02 -0.17 0.00	14.57 -0.21 0.00	15.22 -0.17 0.00	15.17 -0.18 0.00	16.85 -0.22 0.00	19.79 -0.28 0.00	20.02 -0.28 0.00	21.27 -0.30 0.00	21.75 -0.31 0.00	22.58 -0.34 0.00	20.34 -0.29 0.00	20.60 -0.31 0.00	20.54 -0.29 0.00	19.34 -0.29 0.00	25.33 -0.33 0.00	25.25 -0.33 0.00	23.01 -0.38 0.00	22.93 -0.35 0.00	21.88 -0.31 0.00	20.56 -0.29 0.00	18.58 -0.28 0.00
HQ_GEN_WHEEL 23651	17.97 -0.24 0.00	15.47 -0.20 0.00	15.21 -0.23 0.00	12.02 -0.17 0.00	14.57 -0.21 0.00	15.22 -0.17 0.00	15.17 -0.18 0.00	16.85 -0.22 0.00	19.79 -0.28 0.00	20.02 -0.28 0.00	21.27 -0.30 0.00	21.75 -0.31 0.00	22.58 -0.34 0.00	20.34 -0.29 0.00	20.60 -0.31 0.00	20.54 -0.29 0.00	19.34 -0.29 0.00	25.33 -0.33 0.00	25.25 -0.33 0.00	23.01 -0.38 0.00	22.93 -0.35 0.00	21.88 -0.31 0.00	20.56 -0.29 0.00	18.58 -0.28 0.00
HUDSON_AVE_GT_3 23810	19.80 1.26 -0.34	18.39 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	25.01 1.69 -3.26	25.24 1.71 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.39 1.67 -0.88	20.74 1.28 -0.60
HUDSON_AVE_GT_4 23540	19.80 1.26 -0.34	18.39 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	25.01 1.69 -3.26	25.24 1.71 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.39 1.67 -0.88	20.74 1.28 -0.60
HUDSON_AVE_GT_5 23657	19.80 1.26 -0.34	18.39 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	25.01 1.69 -3.26	25.24 1.71 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.00 1.77 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.39 1.67 -0.88	20.74 1.28 -0.60

HUDSON_AVE_10 24168	19.78 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.18 0.95 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.42 1.75 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.08 2.05 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.71 1.25 -0.60
HUDSON___115KV_TB 4 355613	19.42 0.80 -0.41	18.33 0.66 -1.99	17.33 0.66 -1.22	17.47 0.49 -4.79	16.97 0.62 -1.58	18.24 0.65 -2.20	14.61 0.74 1.49	16.71 0.77 1.13	21.58 0.96 -0.55	21.20 1.02 0.12	21.52 0.97 1.02	27.79 0.86 -4.87	30.22 0.87 -6.43	28.18 0.83 -6.73	31.77 0.90 -9.96	35.52 0.87 -13.81	40.92 0.82 -20.46	42.54 1.00 -15.88	33.29 1.02 -6.69	37.06 0.96 -12.72	34.69 0.93 -10.48	28.33 0.93 -5.21	23.21 0.79 -1.57	20.26 0.68 -0.72
HUNTER MOUNT___DRP 323613	19.37 0.76 -0.40	18.24 0.63 -1.94	17.24 0.62 -1.18	17.28 0.43 -4.66	16.86 0.55 -1.54	18.14 0.60 -2.14	16.06 0.74 0.03	18.30 0.75 -0.48	22.23 0.94 -1.22	22.01 1.02 -0.69	22.49 1.04 0.12	27.50 0.73 -4.71	29.70 0.73 -6.05	27.95 0.74 -6.58	31.07 0.86 -9.30	34.31 0.83 -12.65	39.15 0.79 -18.73	41.10 0.90 -14.54	33.32 0.97 -6.77	35.85 0.84 -11.62	33.67 0.81 -9.57	27.82 0.87 -4.76	22.99 0.71 -1.43	20.19 0.62 -0.70
HUNTINGTON_RES_REC 323705	28.68 1.53 -8.95	26.71 1.32 -9.71	22.64 1.19 -6.00	21.07 0.96 -7.91	20.67 1.14 -4.76	26.40 1.23 -9.78	28.25 1.17 -11.73	28.22 1.33 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.83 1.86 -13.40	33.45 1.96 -9.43	36.82 2.06 -11.83	34.28 1.86 -11.79	36.85 1.97 -13.98	38.88 1.92 -16.14	40.74 1.88 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.88 2.15 -11.34	40.50 2.12 -15.10	33.73 1.89 -9.66	31.55 1.81 -8.89	30.23 1.47 -9.89
HUNTLEY___63 23557	17.53 -0.73 -0.05	15.31 -0.63 -0.26	15.22 -0.39 -0.16	12.63 -0.20 -0.63	14.73 -0.25 -0.21	15.19 -0.49 -0.29	15.38 -0.74 -0.75	17.06 -0.94 -0.93	19.50 -1.10 -0.54	20.11 -0.73 -0.53	21.28 -0.76 -0.46	21.80 -0.88 -0.62	22.76 -0.87 -0.70	20.49 -1.03 -0.90	20.82 -1.13 -1.04	20.92 -1.19 -1.27	20.55 -0.96 -1.88	25.04 -1.39 -0.76	24.21 -0.95 0.43	23.74 -0.80 -1.15	23.35 -0.88 -0.95	21.96 -0.71 -0.48	20.20 -0.79 -0.14	18.22 -0.74 -0.09
HUNTLEY___64 23558	17.53 -0.73 -0.05	15.31 -0.63 -0.26	15.22 -0.39 -0.16	12.63 -0.20 -0.63	14.73 -0.25 -0.21	15.19 -0.49 -0.29	15.38 -0.74 -0.75	17.06 -0.94 -0.93	19.50 -1.10 -0.54	20.11 -0.73 -0.53	21.28 -0.76 -0.46	21.80 -0.88 -0.62	22.76 -0.87 -0.70	20.49 -1.03 -0.90	20.82 -1.13 -1.04	20.92 -1.19 -1.27	20.55 -0.96 -1.88	25.04 -1.39 -0.76	24.21 -0.95 0.43	23.74 -0.80 -1.15	23.35 -0.88 -0.95	21.96 -0.71 -0.48	20.20 -0.79 -0.14	18.22 -0.74 -0.09
HUNTLEY___65 23559	17.53 -0.73 -0.05	15.31 -0.63 -0.26	15.22 -0.39 -0.16	12.63 -0.20 -0.63	14.73 -0.25 -0.21	15.19 -0.49 -0.29	15.38 -0.74 -0.75	17.06 -0.94 -0.93	19.50 -1.10 -0.54	20.11 -0.73 -0.53	21.28 -0.76 -0.46	21.80 -0.88 -0.62	22.76 -0.87 -0.70	20.49 -1.03 -0.90	20.82 -1.13 -1.04	20.92 -1.19 -1.27	20.55 -0.96 -1.88	25.04 -1.39 -0.76	24.21 -0.95 0.43	23.74 -0.80 -1.15	23.35 -0.88 -0.95	21.96 -0.71 -0.48	20.20 -0.79 -0.14	18.22 -0.74 -0.09
HUNTLEY___66 23560	17.53 -0.73 -0.05	15.31 -0.63 -0.26	15.22 -0.39 -0.16	12.63 -0.20 -0.63	14.73 -0.25 -0.21	15.19 -0.49 -0.29	15.38 -0.74 -0.75	17.06 -0.94 -0.93	19.50 -1.10 -0.54	20.11 -0.73 -0.53	21.28 -0.76 -0.46	21.80 -0.88 -0.62	22.76 -0.87 -0.70	20.49 -1.03 -0.90	20.82 -1.13 -1.04	20.92 -1.19 -1.27	20.55 -0.96 -1.88	25.04 -1.39 -0.76	24.21 -0.95 0.43	23.74 -0.80 -1.15	23.35 -0.88 -0.95	21.96 -0.71 -0.48	20.20 -0.79 -0.14	18.22 -0.74 -0.09
HUNTLEY___67 23561	17.41 -0.86 -0.06	15.19 -0.75 -0.27	15.08 -0.53 -0.16	12.52 -0.32 -0.65	14.59 -0.40 -0.21	15.06 -0.63 -0.30	15.39 -0.74 -0.77	17.09 -0.92 -0.94	19.51 -1.08 -0.53	20.10 -0.73 -0.53	21.28 -0.76 -0.45	21.79 -0.88 -0.62	22.77 -0.85 -0.70	20.51 -1.01 -0.89	20.84 -1.11 -1.03	20.95 -1.15 -1.27	20.55 -0.96 -1.88	24.79 -1.57 -0.69	23.58 -1.38 0.61	23.76 -0.77 -1.15	23.34 -0.88 -0.95	21.95 -0.71 -0.47	20.24 -0.75 -0.14	18.26 -0.70 -0.10
HUNTLEY___68 23562	17.41 -0.86 -0.06	15.19 -0.75 -0.27	15.08 -0.53 -0.16	12.52 -0.32 -0.65	14.59 -0.40 -0.21	15.06 -0.63 -0.30	15.39 -0.74 -0.77	17.09 -0.92 -0.94	19.51 -1.08 -0.53	20.10 -0.73 -0.53	21.28 -0.76 -0.45	21.79 -0.88 -0.62	22.77 -0.85 -0.70	20.51 -1.01 -0.89	20.84 -1.11 -1.03	20.95 -1.15 -1.27	20.55 -0.96 -1.88	24.79 -1.57 -0.69	23.58 -1.38 0.61	23.76 -0.77 -1.15	23.34 -0.88 -0.95	21.95 -0.71 -0.47	20.24 -0.75 -0.14	18.26 -0.70 -0.10
HYLAND___LFGE 323620	18.61 0.35 -0.06	16.26 0.30 -0.29	15.96 0.34 -0.18	13.17 0.28 -0.70	15.34 0.34 -0.23	16.02 0.31 -0.32	16.41 0.21 -0.83	18.22 0.14 -1.01	20.45 -0.20 -0.58	20.76 -0.12 -0.58	21.53 -0.54 -0.50	22.00 -0.73 -0.67	22.93 -0.76 -0.76	20.86 -0.74 -0.97	21.46 -0.59 -1.13	21.59 -0.62 -1.38	21.27 -0.41 -2.05	29.46 -0.44 -4.24	33.00 0.33 -7.09	25.44 0.80 -1.26	25.18 0.86 -1.03	23.53 0.82 -0.51	21.63 0.62 -0.15	19.44 0.47 -0.10
INDECK___CORINTH 23802	20.19 1.55 -0.44	19.10 1.30 -2.12	18.07 1.33 -1.29	18.33 1.04 -5.10	17.70 1.24 -1.68	19.07 1.32 -2.35	34.60 1.34 -17.91	32.93 1.50 -14.36	36.03 1.24 -14.72	36.78 1.28 -15.19	36.92 1.47 -13.87	36.57 1.37 -13.15	38.43 1.42 -14.08	41.21 1.22 -19.36	42.56 1.15 -20.50	45.82 1.23 -23.76	56.00 1.18 -35.19	54.64 1.67 -27.31	50.89 1.64 -23.67	45.85 1.59 -20.87	42.05 1.58 -17.19	32.27 1.53 -8.55	25.36 1.94 -2.57	21.29 1.66 -0.76
INDECK___ILION 23567	18.10 -0.11 0.00	15.58 -0.09 0.00	15.38 -0.06 0.00	12.13 -0.06 0.00	14.71 -0.06 0.00	15.29 -0.11 0.00	15.30 -0.06 0.00	16.99 -0.09 0.00	19.97 -0.10 0.00	20.20 -0.10 0.00	21.47 -0.11 0.00	21.95 -0.11 0.00	22.83 -0.09 0.00	20.54 -0.08 0.00	20.85 -0.06 0.00	20.79 -0.04 0.00	19.59 -0.04 0.00	25.66 0.00 0.00	25.58 0.00 0.00	23.43 0.05 0.00	23.35 0.07 0.00	22.26 0.07 0.00	20.89 0.04 0.00	18.90 0.04 0.00
INDECK___OLEAN 23982	17.18 -1.09 -0.06	14.99 -1.00 -0.32	14.77 -0.86 -0.19	12.36 -0.60 -0.76	14.31 -0.71 -0.25	14.87 -0.88 -0.35	15.35 -0.92 -0.91	17.16 -1.04 -1.13	19.94 -0.76 -0.64	20.53 -0.41 -0.64	21.76 -0.37 -0.55	22.33 -0.49 -0.75	23.34 -0.44 -0.85	21.14 -0.58 -1.09	21.53 -0.65 -1.27	21.70 -0.69 -1.55	21.34 -0.59 -2.30	26.51 -0.82 -1.68	25.40 -1.25 -1.07	24.54 -0.26 -1.41	24.00 -0.44 -1.16	22.46 -0.31 -0.58	20.71 -0.31 -0.17	18.11 -0.87 -0.11
INDECK___OSWEGO 23783	17.96 -0.27 -0.03	15.58 -0.23 -0.13	15.32 -0.20 -0.08	12.34 -0.17 -0.32	14.67 -0.21 -0.11	15.29 -0.25 -0.15	15.31 -0.23 -0.18	17.30 -0.24 -0.46	19.71 -0.36 0.00	19.94 -0.36 0.00	21.17 -0.41 0.00	21.64 -0.42 0.00	22.49 -0.44 0.00	20.21 -0.41 0.00	20.49 -0.42 0.00	20.41 -0.42 0.00	19.26 -0.37 0.00	25.12 -0.54 0.00	25.04 -0.54 0.00	22.99 -0.40 0.00	22.86 -0.42 0.00	21.79 -0.40 0.00	20.45 -0.40 0.00	18.65 -0.26 -0.05

INDECK___YERKES 23781	17.55 -0.71 -0.05	15.33 -0.61 -0.26	15.23 -0.37 -0.16	12.65 -0.18 -0.63	14.73 -0.25 -0.21	15.21 -0.48 -0.29	15.39 -0.72 -0.75	17.08 -0.92 -0.93	19.52 -1.08 -0.54	20.13 -0.71 -0.54	21.31 -0.73 -0.46	21.82 -0.86 -0.62	22.78 -0.85 -0.70	20.52 -1.01 -0.90	20.82 -1.13 -1.04	20.94 -1.17 -1.27	20.55 -0.96 -1.88	25.06 -1.36 -0.76	24.21 -0.95 0.43	23.77 -0.77 -1.15	23.37 -0.86 -0.95	21.96 -0.71 -0.48	20.38 -0.61 -0.14	18.24 -0.72 -0.09
INDIAN POINT_GT_1 24139	19.64 1.09 -0.34	18.24 0.93 -1.63	17.32 0.88 -1.00	16.83 0.71 -3.93	16.91 0.84 -1.30	18.05 0.85 -1.81	20.87 0.86 -4.65	23.83 1.02 -5.73	24.69 1.40 -3.22	24.93 1.42 -3.20	25.87 1.53 -2.76	27.48 1.65 -3.77	28.91 1.72 -4.26	27.64 1.55 -5.46	28.87 1.63 -6.32	30.13 1.54 -7.76	32.61 1.49 -11.49	36.50 1.92 -8.92	33.81 1.84 -6.39	32.09 1.66 -7.04	30.71 1.63 -5.80	26.61 1.53 -2.89	23.14 1.42 -0.87	20.57 1.11 -0.59
INDIAN POINT_GT_2 23659	19.64 1.09 -0.34	18.24 0.93 -1.63	17.32 0.88 -1.00	16.83 0.71 -3.93	16.91 0.84 -1.30	18.05 0.85 -1.81	20.87 0.86 -4.65	23.83 1.02 -5.73	24.69 1.40 -3.22	24.93 1.42 -3.20	25.87 1.53 -2.76	27.48 1.65 -3.77	28.91 1.72 -4.26	27.64 1.55 -5.46	28.87 1.63 -6.32	30.13 1.54 -7.76	32.61 1.49 -11.49	36.50 1.92 -8.92	33.81 1.84 -6.39	32.09 1.66 -7.04	30.71 1.63 -5.80	26.61 1.53 -2.89	23.14 1.42 -0.87	20.57 1.11 -0.59
INDIAN POINT_GT_3 24019	19.64 1.09 -0.34	18.24 0.93 -1.63	17.32 0.88 -1.00	16.83 0.71 -3.93	16.91 0.84 -1.30	18.05 0.85 -1.81	20.87 0.86 -4.65	23.83 1.02 -5.73	24.69 1.40 -3.22	24.93 1.42 -3.20	25.87 1.53 -2.76	27.48 1.65 -3.77	28.91 1.72 -4.26	27.64 1.55 -5.46	28.87 1.63 -6.32	30.13 1.54 -7.76	32.61 1.49 -11.49	36.50 1.92 -8.92	33.81 1.84 -6.39	32.09 1.66 -7.04	30.71 1.63 -5.80	26.61 1.53 -2.89	23.14 1.42 -0.87	20.57 1.11 -0.59
INDIAN POINT___2 23530	19.61 1.07 -0.33	18.20 0.91 -1.61	17.29 0.86 -0.98	16.77 0.69 -3.88	16.88 0.83 -1.28	18.03 0.85 -1.79	20.79 0.84 -4.59	23.74 1.01 -5.66	24.63 1.38 -3.18	24.88 1.42 -3.16	25.81 1.51 -2.72	27.41 1.63 -3.71	28.83 1.70 -4.21	27.54 1.53 -5.39	28.78 1.63 -6.24	30.02 1.54 -7.65	32.45 1.49 -11.33	36.38 1.93 -8.79	33.72 1.84 -6.30	31.99 1.66 -6.95	30.61 1.61 -5.72	26.55 1.51 -2.85	23.12 1.42 -0.86	20.56 1.11 -0.58
INDIAN POINT___3 23531	19.62 1.07 -0.34	18.22 0.91 -1.63	17.31 0.86 -1.00	16.82 0.70 -3.93	16.90 0.83 -1.30	18.05 0.85 -1.81	20.86 0.84 -4.66	23.81 1.01 -5.73	24.68 1.38 -3.22	24.93 1.42 -3.20	25.85 1.51 -2.76	27.46 1.63 -3.77	28.89 1.70 -4.27	27.62 1.53 -5.47	28.85 1.61 -6.33	30.11 1.52 -7.76	32.60 1.47 -11.49	36.51 1.92 -8.92	33.78 1.82 -6.39	32.09 1.66 -7.05	30.69 1.61 -5.81	26.59 1.51 -2.89	23.11 1.40 -0.87	20.57 1.11 -0.59
INGHAM_C_115KV_TB7 356103	17.81 -0.40 0.00	15.32 -0.36 0.00	15.15 -0.29 0.00	11.94 -0.26 0.00	14.48 -0.30 0.00	15.01 -0.38 0.00	15.05 -0.31 0.00	16.71 -0.36 0.00	19.64 -0.42 0.00	19.86 -0.45 0.00	21.10 -0.47 0.00	21.60 -0.46 0.00	22.44 -0.48 0.00	20.24 -0.39 0.00	20.54 -0.38 0.00	20.50 -0.33 0.00	19.34 -0.29 0.00	25.35 -0.31 0.00	25.32 -0.26 0.00	23.22 -0.16 0.00	23.16 -0.12 0.00	22.10 -0.09 0.00	20.74 -0.10 0.00	18.77 -0.09 0.00
IP CORINTH___1 23988	20.19 1.55 -0.44	19.10 1.30 -2.12	18.07 1.33 -1.29	18.33 1.04 -5.10	17.70 1.24 -1.68	19.07 1.32 -2.36	34.60 1.34 -17.91	32.93 1.50 -14.36	36.16 1.36 -14.72	36.90 1.40 -15.19	37.05 1.60 -13.87	36.70 1.50 -13.15	38.57 1.56 -14.08	41.33 1.34 -19.36	42.69 1.28 -20.50	45.95 1.35 -23.76	56.10 1.28 -35.19	54.80 1.82 -27.31	51.02 1.76 -23.67	45.96 1.71 -20.87	42.19 1.72 -17.19	32.40 1.66 -8.55	25.36 1.94 -2.57	21.29 1.66 -0.76
IP___TICONDEROGA 23804	21.12 2.48 -0.43	19.86 2.07 -2.11	18.90 2.16 -1.29	18.99 1.71 -5.09	18.48 2.02 -1.68	19.85 2.11 -2.35	36.05 2.21 -18.48	34.56 2.54 -14.94	37.73 2.63 -15.04	38.68 2.82 -15.55	39.04 3.21 -14.25	38.47 3.15 -13.26	40.31 3.26 -14.13	42.97 2.78 -19.56	44.15 2.70 -20.54	47.30 2.81 -23.66	57.32 2.65 -35.04	56.32 3.46 -27.20	53.01 3.43 -24.01	47.45 3.32 -20.74	43.72 3.35 -17.09	33.88 3.20 -8.50	26.58 3.17 -2.56	22.35 2.72 -0.76
ISLIP_RES_REC 323679	28.86 1.71 -8.95	26.82 1.43 -9.71	22.73 1.28 -6.00	21.16 1.05 -7.91	20.79 1.26 -4.76	26.52 1.35 -9.78	28.39 1.30 -11.73	28.50 1.60 -9.82	31.07 2.15 -8.86	33.32 2.17 -10.84	37.13 2.16 -13.40	33.76 2.27 -9.43	37.14 2.38 -11.83	34.57 2.15 -11.79	37.17 2.28 -13.98	39.22 2.25 -16.14	41.04 2.18 -19.22	42.87 2.85 -14.36	43.33 2.76 -14.99	37.27 2.55 -11.34	40.90 2.51 -15.10	34.09 2.24 -9.66	31.84 2.10 -8.89	30.42 1.66 -9.89
JAMAICA___27_KV_LOAD 355505	19.89 1.35 -0.34	18.46 1.13 -1.65	17.52 1.07 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.27 1.05 -1.83	21.17 1.11 -4.70	24.23 1.37 -5.79	25.19 1.87 -3.26	25.41 1.87 -3.23	26.26 1.90 -2.79	27.94 2.07 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.50 1.83 -7.84	33.06 1.83 -11.60	36.98 2.31 -9.01	34.20 2.17 -6.45	32.49 1.99 -7.12	31.12 1.98 -5.86	26.95 1.84 -2.92	23.58 1.86 -0.88	20.84 1.38 -0.60
JANIS___SOLAR 323808	18.99 0.69 -0.09	16.68 0.56 -0.44	16.30 0.59 -0.27	13.65 0.39 -1.06	15.64 0.52 -0.35	16.39 0.51 -0.49	17.37 0.58 -1.43	19.26 0.65 -1.54	21.85 0.68 -1.10	22.03 0.63 -1.10	23.17 0.65 -0.94	24.01 0.68 -1.27	25.03 0.67 -1.44	23.05 0.58 -1.84	23.63 0.58 -2.13	24.13 0.69 -2.61	24.25 0.75 -3.87	29.87 1.03 -3.18	29.21 1.07 -2.55	27.04 1.29 -2.37	26.51 1.28 -1.95	24.29 1.13 -0.97	22.00 0.86 -0.29	19.76 0.74 -0.16
JARVIS____ 23743	18.26 0.05 0.00	15.71 0.03 0.00	15.49 0.05 0.00	12.23 0.04 0.00	14.82 0.04 0.00	15.42 0.03 0.00	15.40 0.05 0.00	17.12 0.05 0.00	20.13 0.06 0.00	20.37 0.06 0.00	21.62 0.04 0.00	22.13 0.07 0.00	22.99 0.07 0.00	20.69 0.06 0.00	20.98 0.06 0.00	20.89 0.06 0.00	19.69 0.06 0.00	25.74 0.08 0.00	25.66 0.08 0.00	23.48 0.09 0.00	23.37 0.09 0.00	22.28 0.09 0.00	20.91 0.06 0.00	18.94 0.08 0.00
JENNISON___1 23625	19.12 0.80 -0.12	16.90 0.66 -0.56	16.48 0.70 -0.34	14.01 0.46 -1.35	15.82 0.61 -0.44	16.61 0.60 -0.62	18.02 0.69 -1.97	19.81 0.77 -1.97	22.62 0.94 -1.61	22.84 0.93 -1.60	23.95 0.99 -1.38	24.96 1.06 -1.84	26.11 1.10 -2.09	24.23 0.93 -2.67	24.97 0.96 -3.09	25.64 1.02 -3.79	26.27 1.02 -5.62	31.38 1.36 -4.36	30.01 1.30 -3.13	28.26 1.45 -3.43	27.55 1.44 -2.82	24.90 1.31 -1.40	22.27 1.00 -0.42	19.92 0.85 -0.20
JENNISON___2 23626	19.12 0.80 -0.12	16.90 0.66 -0.56	16.48 0.70 -0.34	14.01 0.46 -1.35	15.82 0.61 -0.44	16.61 0.60 -0.62	18.02 0.69 -1.97	19.81 0.77 -1.97	22.62 0.94 -1.61	22.84 0.93 -1.60	23.95 0.99 -1.38	24.96 1.06 -1.84	26.11 1.10 -2.09	24.23 0.93 -2.67	24.97 0.96 -3.09	25.64 1.02 -3.79	26.27 1.02 -5.62	31.38 1.36 -4.36	30.01 1.30 -3.13	28.26 1.45 -3.43	27.55 1.44 -2.82	24.90 1.31 -1.40	22.27 1.00 -0.42	19.92 0.85 -0.20

JERICO_RISE_WT_PWR 323719	18.30 0.09 0.00	15.73 0.05 0.00	15.32 -0.12 0.00	12.13 -0.06 0.00	14.63 -0.15 0.00	15.30 -0.09 0.00	15.14 -0.22 0.00	16.73 -0.34 0.00	19.61 -0.46 0.00	19.88 -0.43 0.00	21.19 -0.39 0.00	21.53 -0.53 0.00	22.33 -0.60 0.00	20.17 -0.45 0.00	20.41 -0.50 0.00	20.43 -0.40 0.00	19.14 -0.49 0.00	25.04 -0.62 0.00	25.02 -0.56 0.00	22.68 -0.70 0.00	22.70 -0.58 0.00	21.64 -0.55 0.00	20.41 -0.44 0.00	18.45 -0.42 0.00
KATONAH__115KV_46KV_TB4 355592	19.73 1.18 -0.34	18.35 1.00 -1.67	17.44 0.97 -1.02	17.00 0.78 -4.02	17.00 0.90 -1.33	18.17 0.92 -1.85	21.04 0.92 -4.76	24.03 1.09 -5.86	24.87 1.50 -3.30	25.09 1.50 -3.28	26.00 1.60 -2.83	27.66 1.74 -3.86	29.20 1.90 -4.37	27.87 1.65 -5.60	29.08 1.69 -6.48	30.40 1.62 -7.95	32.95 1.55 -11.77	36.80 2.00 -9.13	34.04 1.92 -6.54	32.36 1.75 -7.22	30.95 1.72 -5.94	26.77 1.62 -2.96	23.20 1.46 -0.89	20.62 1.15 -0.60
KCE_NY_1 323755	19.92 1.27 -0.43	18.87 1.08 -2.11	17.83 1.10 -1.29	18.14 0.87 -5.08	17.48 1.03 -1.68	18.83 1.09 -2.34	35.74 1.11 -19.28	34.04 1.21 -15.76	36.91 1.37 -15.48	37.80 1.44 -16.06	37.93 1.57 -14.78	37.07 1.59 -13.42	38.78 1.65 -14.20	41.90 1.44 -19.83	42.92 1.42 -20.58	45.81 1.46 -23.52	55.84 1.37 -34.83	54.49 1.80 -27.04	51.82 1.76 -24.47	45.61 1.66 -20.57	41.88 1.65 -16.94	32.22 1.60 -8.43	24.97 1.58 -2.54	20.99 1.36 -0.76
KCE_NY_6_ESR 323823	17.50 -0.76 -0.06	15.27 -0.69 -0.28	15.14 -0.48 -0.17	12.59 -0.28 -0.68	14.64 -0.35 -0.22	15.14 -0.57 -0.31	15.50 -0.66 -0.81	17.22 -0.84 -0.98	19.75 -0.88 -0.56	20.36 -0.51 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.81 -0.76 -0.94	21.12 -0.88 -1.09	21.25 -0.92 -1.34	20.86 -0.75 -1.98	25.13 -1.26 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.65 -0.63 -1.00	22.22 -0.47 -0.50	20.62 -0.37 -0.15	18.36 -0.60 -0.10
KEDC_PORT_JEFF_GT2 24210	28.76 1.60 -8.95	26.74 1.35 -9.71	22.67 1.22 -6.00	21.10 0.99 -7.91	20.72 1.18 -4.76	26.43 1.26 -9.78	28.32 1.23 -11.73	28.36 1.47 -9.82	30.91 1.99 -8.86	33.16 2.01 -10.84	36.96 1.98 -13.40	33.58 2.10 -9.43	36.95 2.20 -11.83	34.40 1.98 -11.79	36.98 2.09 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.56 2.54 -14.36	43.02 2.46 -14.99	37.06 2.34 -11.34	40.69 2.31 -15.10	33.91 2.06 -9.66	31.70 1.96 -8.89	30.30 1.55 -9.89
KEDC_PORT_JEFF_GT3 24211	28.76 1.60 -8.95	26.74 1.35 -9.71	22.67 1.22 -6.00	21.10 0.99 -7.91	20.72 1.18 -4.76	26.43 1.26 -9.78	28.32 1.23 -11.73	28.36 1.47 -9.82	30.91 1.99 -8.86	33.16 2.01 -10.84	36.96 1.98 -13.40	33.58 2.10 -9.43	36.95 2.20 -11.83	34.40 1.98 -11.79	36.98 2.09 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.56 2.54 -14.36	43.02 2.46 -14.99	37.06 2.34 -11.34	40.69 2.31 -15.10	33.91 2.06 -9.66	31.70 1.96 -8.89	30.30 1.55 -9.89
KEDC_GLWD_GT4 24219	28.57 1.42 -8.95	26.60 1.21 -9.71	22.59 1.14 -6.00	21.03 0.93 -7.91	20.63 1.09 -4.76	26.31 1.14 -9.78	28.21 1.12 -11.73	28.22 1.33 -9.82	30.71 1.79 -8.86	32.95 1.81 -10.84	36.89 1.92 -13.40	33.56 2.07 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.92 2.03 -13.98	38.78 1.81 -16.14	40.62 1.77 -19.22	42.28 2.26 -14.36	42.71 2.15 -14.99	36.69 1.96 -11.34	40.29 1.91 -15.10	33.69 1.84 -9.66	31.55 1.81 -8.89	30.21 1.45 -9.89
KEDC_GLWD_GT5 24220	28.57 1.42 -8.95	26.60 1.21 -9.71	22.59 1.14 -6.00	21.03 0.93 -7.91	20.63 1.09 -4.76	26.31 1.14 -9.78	28.21 1.12 -11.73	28.22 1.33 -9.82	30.71 1.79 -8.86	32.95 1.81 -10.84	36.89 1.92 -13.40	33.56 2.07 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.92 2.03 -13.98	38.78 1.81 -16.14	40.62 1.77 -19.22	42.28 2.26 -14.36	42.71 2.15 -14.99	36.69 1.96 -11.34	40.29 1.91 -15.10	33.69 1.84 -9.66	31.55 1.81 -8.89	30.21 1.45 -9.89
KENSICO____ 23655	19.69 1.15 -0.34	18.30 0.97 -1.65	17.38 0.93 -1.01	16.90 0.74 -3.96	16.97 0.89 -1.31	18.13 0.91 -1.83	20.96 0.91 -4.69	23.94 1.09 -5.78	24.80 1.48 -3.25	25.03 1.50 -3.23	25.95 1.60 -2.78	27.60 1.74 -3.80	29.03 1.81 -4.30	27.76 1.63 -5.51	28.98 1.69 -6.37	30.28 1.62 -7.82	32.78 1.57 -11.58	36.68 2.03 -8.99	33.94 1.92 -6.44	32.24 1.75 -7.10	30.85 1.72 -5.85	26.70 1.60 -2.91	23.20 1.48 -0.88	20.65 1.19 -0.59
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	19.49 0.96 -0.32	18.02 0.78 -1.56	17.16 0.76 -0.95	16.51 0.56 -3.76	16.66 0.65 -1.24	17.79 0.66 -1.73	19.85 0.69 -3.80	22.58 0.77 -4.74	23.95 1.14 -2.74	24.12 1.16 -2.66	25.01 1.23 -2.20	26.91 1.24 -3.62	28.39 1.28 -4.18	27.07 1.22 -5.22	28.51 1.36 -6.24	29.92 1.29 -7.79	32.45 1.28 -11.54	36.24 1.62 -8.96	33.19 1.61 -6.00	31.84 1.36 -7.10	30.43 1.30 -5.85	26.39 1.29 -2.91	22.87 1.15 -0.88	20.35 0.92 -0.56
KIAC_JFK_GT1 23816	19.82 1.27 -0.34	18.39 1.07 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.21 0.99 -1.83	21.09 1.03 -4.70	24.14 1.28 -5.79	25.09 1.77 -3.26	25.30 1.77 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.31 1.65 -7.84	32.87 1.63 -11.60	36.72 2.05 -9.01	33.95 1.92 -6.45	32.28 1.78 -7.12	30.89 1.75 -5.86	26.82 1.71 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
KIAC_JFK_GT2 23817	19.82 1.27 -0.34	18.39 1.07 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.21 0.99 -1.83	21.09 1.03 -4.70	24.14 1.28 -5.79	25.09 1.77 -3.26	25.30 1.77 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.31 1.65 -7.84	32.87 1.63 -11.60	36.72 2.05 -9.01	33.95 1.92 -6.45	32.28 1.78 -7.12	30.89 1.75 -5.86	26.82 1.71 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
KIAC_JFK____ 323774	19.82 1.27 -0.34	18.40 1.07 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.21 0.99 -1.83	21.09 1.03 -4.70	24.14 1.28 -5.79	25.09 1.77 -3.25	25.30 1.77 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.20 1.97 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.31 1.65 -7.84	32.89 1.65 -11.60	36.75 2.08 -9.01	33.97 1.94 -6.45	32.28 1.78 -7.12	30.89 1.75 -5.86	26.79 1.69 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
KINTIGH____ 23543	17.60 -0.66 -0.05	15.35 -0.56 -0.23	15.23 -0.36 -0.14	12.55 -0.21 -0.56	14.71 -0.25 -0.18	15.19 -0.46 -0.26	15.48 -0.54 -0.66	17.20 -0.68 -0.81	19.55 -0.96 -0.44	20.10 -0.65 -0.44	21.29 -0.67 -0.38	21.78 -0.79 -0.52	22.73 -0.78 -0.59	20.49 -0.89 -0.75	20.80 -0.98 -0.87	20.90 -1.00 -1.07	20.39 -0.82 -1.58	25.11 -1.39 -0.84	24.49 -1.07 0.01	23.67 -0.68 -0.97	23.28 -0.79 -0.80	21.94 -0.64 -0.40	20.28 -0.69 -0.12	18.46 -0.49 -0.08
KNTFSRNC_46_KV_46KV_LOAD 80397	18.53 0.33 0.00	15.94 0.27 0.00	15.49 0.05 0.00	12.28 0.09 0.00	14.79 0.01 0.00	15.50 0.11 0.00	15.33 -0.03 0.00	16.94 -0.14 0.00	19.83 -0.24 0.00	20.08 -0.22 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.66 -0.25 0.00	20.73 -0.10 0.00	19.40 -0.24 0.00	25.38 -0.28 0.00	25.37 -0.20 0.00	22.96 -0.42 0.00	23.00 -0.28 0.00	21.79 -0.40 0.00	20.60 -0.25 0.00	18.66 -0.21 0.00

LACHUTE___HYDRO 323717	21.12 2.48 -0.43	19.86 2.07 -2.11	18.90 2.16 -1.29	18.99 1.71 -5.09	18.48 2.02 -1.68	19.85 2.11 -2.35	36.05 2.21 -18.48	34.56 2.54 -14.94	37.73 2.63 -15.04	38.68 2.82 -15.55	39.04 3.22 -14.25	38.47 3.15 -13.26	40.31 3.25 -14.13	42.97 2.78 -19.56	44.15 2.70 -20.54	47.30 2.81 -23.66	57.32 2.65 -35.04	56.32 3.46 -27.20	53.01 3.43 -24.01	47.45 3.32 -20.74	43.72 3.35 -17.09	33.89 3.20 -8.50	26.60 3.19 -2.56	22.35 2.72 -0.76
LAWRNCAV_115KV_TB1 80681	18.17 -0.04 0.00	15.65 -0.03 0.00	15.34 -0.11 0.00	12.11 -0.09 0.00	14.67 -0.10 0.00	15.36 -0.03 0.00	15.34 -0.02 0.00	17.02 -0.05 0.00	19.97 -0.10 0.00	20.16 -0.14 0.00	21.47 -0.11 0.00	21.90 -0.15 0.00	22.74 -0.18 0.00	20.50 -0.12 0.00	20.75 -0.17 0.00	20.66 -0.17 0.00	19.24 -0.39 0.00	25.20 -0.46 0.00	25.14 -0.43 0.00	22.85 -0.54 0.00	23.09 -0.19 0.00	22.04 -0.16 0.00	20.72 -0.13 0.00	18.75 -0.11 0.00
LEDERLE___ 23769	19.66 1.13 -0.33	18.21 0.94 -1.59	17.33 0.91 -0.97	16.74 0.72 -3.82	16.89 0.86 -1.26	18.02 0.86 -1.76	20.77 0.89 -4.53	23.71 1.06 -5.58	24.64 1.44 -3.13	24.92 1.50 -3.11	25.85 1.60 -2.68	27.42 1.70 -3.66	28.86 1.79 -4.14	27.56 1.63 -5.31	28.79 1.74 -6.14	30.03 1.67 -7.54	32.40 1.61 -11.16	36.40 2.08 -8.66	33.78 2.00 -6.21	32.01 1.78 -6.85	30.64 1.72 -5.64	26.62 1.62 -2.80	23.17 1.48 -0.84	20.63 1.19 -0.57
LIGHTHSE_115KV_TB6 355974	18.25 0.02 -0.03	15.80 0.00 -0.12	15.55 0.03 -0.07	12.45 -0.04 -0.29	14.84 -0.03 -0.10	15.48 -0.05 -0.14	15.51 -0.02 -0.17	17.50 0.00 -0.43	19.99 -0.08 0.00	20.18 -0.12 0.00	21.45 -0.13 0.00	21.93 -0.13 0.00	22.76 -0.16 0.00	20.46 -0.17 0.00	20.72 -0.19 0.00	20.62 -0.21 0.00	19.44 -0.20 0.00	25.40 -0.26 0.00	25.35 -0.23 0.00	23.32 -0.07 0.00	23.23 -0.05 0.00	22.19 0.00 0.00	20.81 -0.04 0.00	18.93 0.02 -0.04
LINDEN COGEN___ 23786	19.69 1.15 -0.34	18.30 0.97 -1.65	17.38 0.93 -1.01	16.92 0.76 -3.97	16.98 0.90 -1.31	18.12 0.89 -1.83	21.00 0.94 -4.70	24.01 1.14 -5.79	24.91 1.58 -3.25	25.14 1.60 -3.23	26.07 1.70 -2.79	27.74 1.87 -3.80	29.11 1.88 -4.31	27.86 1.71 -5.52	29.12 1.82 -6.39	30.38 1.71 -7.84	32.91 1.67 -11.60	36.80 2.13 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.91 1.77 -5.86	26.75 1.64 -2.92	23.31 1.58 -0.88	20.65 1.19 -0.60
LINDHRST_69_KV_BK1 356055	28.86 1.71 -8.95	26.83 1.44 -9.71	22.79 1.34 -6.00	21.19 1.09 -7.91	20.84 1.30 -4.76	26.54 1.37 -9.77	28.42 1.34 -11.73	28.48 1.59 -9.82	31.01 2.09 -8.86	33.28 2.13 -10.84	37.13 2.16 -13.40	33.74 2.25 -9.43	37.14 2.38 -11.83	34.55 2.12 -11.79	37.15 2.26 -13.98	39.18 2.21 -16.14	41.02 2.16 -19.22	42.82 2.80 -14.36	43.28 2.71 -14.99	37.20 2.48 -11.34	40.83 2.44 -15.10	34.09 2.24 -9.66	31.82 2.08 -8.89	30.45 1.70 -9.89
LIPA_MISC_IPP 23656	28.63 1.47 -8.95	26.61 1.22 -9.71	22.58 1.13 -6.00	21.03 0.93 -7.91	20.64 1.11 -4.76	26.32 1.15 -9.77	28.24 1.15 -11.73	28.29 1.40 -9.82	30.81 1.89 -8.86	33.06 1.91 -10.84	36.83 1.86 -13.40	33.45 1.96 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.91 1.94 -16.14	40.74 1.88 -19.22	42.48 2.46 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.57 2.19 -15.10	33.80 1.95 -9.66	31.55 1.81 -8.89	30.19 1.43 -9.89
LISF___SOLAR 323691	28.63 1.47 -8.95	26.62 1.22 -9.71	22.59 1.14 -6.00	21.05 0.94 -7.91	20.66 1.12 -4.76	26.32 1.16 -9.78	28.25 1.17 -11.73	28.31 1.42 -9.82	30.85 1.93 -8.86	33.07 1.93 -10.84	36.85 1.88 -13.40	33.47 1.99 -9.43	36.84 2.09 -11.83	34.28 1.86 -11.79	36.88 1.99 -13.98	38.93 1.96 -16.14	40.78 1.93 -19.22	42.56 2.54 -14.36	43.02 2.46 -14.99	36.97 2.25 -11.34	40.62 2.24 -15.10	33.82 1.97 -9.66	31.62 1.88 -8.89	30.23 1.47 -9.89
LITTLE FALLS___HYD 24013	17.81 -0.40 0.00	15.32 -0.36 0.00	15.15 -0.29 0.00	11.94 -0.26 0.00	14.48 -0.30 0.00	15.01 -0.38 0.00	15.05 -0.31 0.00	16.71 -0.36 0.00	19.64 -0.42 0.00	19.86 -0.45 0.00	21.10 -0.47 0.00	21.60 -0.46 0.00	22.44 -0.48 0.00	20.24 -0.39 0.00	20.54 -0.38 0.00	20.50 -0.33 0.00	19.34 -0.29 0.00	25.35 -0.31 0.00	25.32 -0.26 0.00	23.22 -0.16 0.00	23.16 -0.12 0.00	22.10 -0.09 0.00	20.74 -0.10 0.00	18.77 -0.09 0.00
LITTLRIV_115KV_TB1 356100	18.30 0.09 0.00	15.74 0.06 0.00	15.44 0.00 0.00	12.19 0.00 0.00	14.77 0.00 0.00	15.47 0.08 0.00	15.50 0.14 0.00	17.18 0.10 0.00	20.17 0.10 0.00	20.34 0.04 0.00	21.66 0.09 0.00	22.10 0.04 0.00	22.95 0.02 0.00	20.67 0.04 0.00	20.91 0.00 0.00	20.85 0.02 0.00	19.42 -0.22 0.00	25.45 -0.21 0.00	25.37 -0.20 0.00	23.08 -0.30 0.00	23.35 0.07 0.00	22.26 0.07 0.00	20.89 0.04 0.00	18.88 0.02 0.00
LI_NEWBRDGE___DRP 323616	28.55 1.40 -8.95	26.58 1.19 -9.71	22.56 1.11 -6.00	21.01 0.90 -7.91	20.61 1.08 -4.76	26.29 1.12 -9.77	28.18 1.09 -11.73	28.17 1.28 -9.82	30.63 1.71 -8.86	32.87 1.73 -10.84	36.74 1.77 -13.40	33.36 1.88 -9.43	36.70 1.95 -11.83	34.18 1.75 -11.79	36.75 1.86 -13.98	38.76 1.79 -16.14	40.58 1.73 -19.22	42.25 2.23 -14.36	42.71 2.15 -14.99	36.69 1.96 -11.34	40.29 1.91 -15.10	33.62 1.78 -9.66	31.45 1.71 -8.89	30.13 1.38 -9.89
LOCKPORT_115KV_TB60_63_64 80432	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.15	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.12 -0.55 -0.28	15.43 -0.65 -0.71	17.08 -0.87 -0.88	19.50 -1.06 -0.50	20.11 -0.69 -0.49	21.29 -0.71 -0.42	21.77 -0.86 -0.57	22.75 -0.83 -0.65	20.45 -1.01 -0.83	20.75 -1.13 -0.96	20.85 -1.17 -1.18	20.44 -0.94 -1.75	24.91 -1.54 -0.79	24.23 -1.07 0.27	23.71 -0.75 -1.07	23.30 -0.86 -0.88	21.97 -0.67 -0.44	20.25 -0.73 -0.13	18.31 -0.64 -0.09
LOCKPORT___CC1 323769	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.16	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.11 -0.57 -0.28	15.42 -0.66 -0.72	17.09 -0.87 -0.89	19.50 -1.06 -0.50	20.11 -0.69 -0.50	21.27 -0.73 -0.43	21.76 -0.88 -0.58	22.73 -0.85 -0.66	20.46 -1.01 -0.84	20.75 -1.13 -0.97	20.86 -1.17 -1.19	20.41 -0.98 -1.76	24.85 -1.57 -0.76	24.04 -1.18 0.36	23.69 -0.77 -1.08	23.31 -0.86 -0.89	21.95 -0.69 -0.44	20.42 -0.56 -0.13	18.31 -0.64 -0.09
LOCKPORT___CC2 323770	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.16	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.11 -0.57 -0.28	15.42 -0.66 -0.72	17.09 -0.87 -0.89	19.50 -1.06 -0.50	20.11 -0.69 -0.50	21.27 -0.73 -0.43	21.76 -0.88 -0.58	22.73 -0.85 -0.66	20.46 -1.01 -0.84	20.75 -1.13 -0.97	20.86 -1.17 -1.19	20.41 -0.98 -1.76	24.85 -1.57 -0.76	24.04 -1.18 0.36	23.69 -0.77 -1.08	23.31 -0.86 -0.89	21.95 -0.69 -0.44	20.42 -0.56 -0.13	18.31 -0.64 -0.09
LOCKPORT___CC3 323771	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.16	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.11 -0.57 -0.28	15.42 -0.66 -0.72	17.09 -0.87 -0.89	19.50 -1.06 -0.50	20.11 -0.69 -0.50	21.27 -0.73 -0.43	21.76 -0.88 -0.58	22.73 -0.85 -0.66	20.46 -1.01 -0.84	20.75 -1.13 -0.97	20.86 -1.17 -1.19	20.41 -0.98 -1.76	24.85 -1.57 -0.76	24.04 -1.18 0.36	23.69 -0.77 -1.08	23.31 -0.86 -0.89	21.95 -0.69 -0.44	20.42 -0.56 -0.13	18.31 -0.64 -0.09

LONG_LAKE_PHOENIX 24014	18.07 -0.16 -0.03	15.67 -0.14 -0.14	15.42 -0.11 -0.08	12.43 -0.10 -0.33	14.76 -0.12 -0.11	15.38 -0.17 -0.15	15.39 -0.15 -0.19	17.43 -0.12 -0.48	19.85 -0.22 0.00	20.08 -0.22 0.00	21.36 -0.22 0.00	21.82 -0.24 0.00	22.67 -0.25 0.00	20.38 -0.25 0.00	20.64 -0.27 0.00	20.56 -0.27 0.00	19.42 -0.22 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	23.17 -0.21 0.00	23.05 -0.23 0.00	21.95 -0.24 0.00	20.60 -0.25 0.00	18.76 -0.15 -0.05
LOVETT___3 23632	19.57 1.04 -0.33	18.15 0.88 -1.60	17.25 0.83 -0.97	16.72 0.68 -3.84	16.84 0.80 -1.27	17.98 0.82 -1.77	20.73 0.83 -4.55	23.65 0.97 -5.60	24.58 1.36 -3.15	24.81 1.38 -3.12	25.76 1.49 -2.69	27.32 1.59 -3.68	28.76 1.67 -4.16	27.46 1.51 -5.33	28.67 1.59 -6.17	29.92 1.52 -7.57	32.32 1.47 -11.21	36.26 1.90 -8.70	33.63 1.82 -6.23	31.90 1.64 -6.88	30.53 1.58 -5.66	26.49 1.49 -2.82	23.07 1.38 -0.85	20.54 1.09 -0.58
LOVETT___4 23642	19.57 1.04 -0.33	18.15 0.88 -1.60	17.25 0.83 -0.97	16.72 0.68 -3.84	16.84 0.80 -1.27	17.98 0.82 -1.77	20.73 0.83 -4.55	23.65 0.97 -5.60	24.58 1.36 -3.15	24.81 1.38 -3.12	25.76 1.49 -2.69	27.32 1.59 -3.68	28.76 1.67 -4.16	27.46 1.51 -5.33	28.67 1.59 -6.17	29.92 1.52 -7.57	32.32 1.47 -11.21	36.26 1.90 -8.70	33.63 1.82 -6.23	31.90 1.64 -6.88	30.53 1.58 -5.66	26.49 1.49 -2.82	23.07 1.38 -0.85	20.54 1.09 -0.58
LOVETT___5 23593	19.57 1.04 -0.33	18.15 0.88 -1.60	17.25 0.83 -0.97	16.72 0.68 -3.84	16.84 0.80 -1.27	17.98 0.82 -1.77	20.73 0.83 -4.55	23.65 0.97 -5.60	24.58 1.36 -3.15	24.81 1.38 -3.12	25.76 1.49 -2.69	27.32 1.59 -3.68	28.76 1.67 -4.16	27.46 1.51 -5.33	28.67 1.59 -6.17	29.92 1.52 -7.57	32.32 1.47 -11.21	36.26 1.90 -8.70	33.63 1.82 -6.23	31.90 1.64 -6.88	30.53 1.58 -5.66	26.49 1.49 -2.82	23.07 1.38 -0.85	20.54 1.09 -0.58
LOWER RAQUET___HYD 24057	18.19 -0.02 0.00	15.66 -0.02 0.00	15.35 -0.09 0.00	12.12 -0.07 0.00	14.69 -0.09 0.00	15.38 -0.02 0.00	15.36 0.00 0.00	17.04 -0.03 0.00	19.99 -0.08 0.00	20.18 -0.12 0.00	21.49 -0.09 0.00	21.91 -0.15 0.00	22.74 -0.18 0.00	20.50 -0.12 0.00	20.72 -0.19 0.00	20.64 -0.19 0.00	19.20 -0.43 0.00	25.15 -0.51 0.00	25.09 -0.49 0.00	22.80 -0.58 0.00	23.09 -0.19 0.00	22.12 -0.07 0.00	20.79 -0.06 0.00	18.77 -0.09 0.00
LOWER___HUDSON 24059	19.54 0.91 -0.43	18.53 0.78 -2.07	17.51 0.80 -1.27	17.83 0.65 -4.99	17.20 0.78 -1.65	18.49 0.80 -2.30	44.50 0.84 -28.30	43.01 0.90 -25.04	41.58 1.12 -20.39	43.16 1.14 -21.72	43.49 1.19 -20.73	38.42 1.23 -15.12	39.08 1.31 -14.85	44.55 1.15 -22.77	43.01 1.17 -20.93	43.69 1.14 -21.71	52.89 1.10 -32.16	52.03 1.41 -24.96	56.53 1.38 -29.57	43.03 1.26 -18.38	39.65 1.23 -15.14	30.92 1.20 -7.53	24.26 1.15 -2.27	20.61 1.00 -0.75
LOWVILLE_115KV_TB2 356335	18.64 0.42 -0.01	16.09 0.34 -0.06	15.84 0.36 -0.04	12.45 0.11 -0.15	14.97 0.15 -0.05	15.62 0.15 -0.07	15.64 0.20 -0.09	17.46 0.17 -0.22	20.23 0.16 0.00	20.39 0.08 0.00	21.64 0.06 0.00	22.08 0.02 0.00	22.90 -0.02 0.00	20.59 -0.04 0.00	20.85 -0.06 0.00	20.87 0.04 0.00	19.65 0.02 0.00	25.81 0.15 0.00	25.73 0.15 0.00	23.64 0.26 0.00	23.75 0.47 0.00	22.66 0.47 0.00	21.31 0.46 0.00	19.30 0.42 -0.02
LUTHERFT_115KV_GLOB_FND_222 355753	19.90 1.26 -0.43	18.86 1.07 -2.11	17.83 1.10 -1.29	18.14 0.87 -5.08	17.48 1.03 -1.68	18.83 1.09 -2.35	35.73 1.09 -19.28	34.04 1.21 -15.76	36.91 1.36 -15.48	37.79 1.42 -16.06	37.91 1.55 -14.78	37.05 1.57 -13.42	38.75 1.63 -14.20	41.88 1.42 -19.83	42.92 1.42 -20.58	45.79 1.44 -23.52	55.82 1.35 -34.83	54.47 1.77 -27.04	51.79 1.74 -24.47	45.61 1.66 -20.57	41.88 1.65 -16.94	32.19 1.58 -8.43	24.95 1.56 -2.54	20.97 1.34 -0.76
LUTHERNY_35_KV_BK2 355980	19.92 1.27 -0.43	18.87 1.08 -2.11	17.83 1.10 -1.29	18.14 0.87 -5.08	17.48 1.03 -1.68	18.83 1.09 -2.35	35.74 1.11 -19.28	34.04 1.21 -15.76	36.91 1.36 -15.48	37.81 1.44 -16.06	37.93 1.58 -14.78	37.07 1.59 -13.42	38.78 1.65 -14.20	41.90 1.44 -19.83	42.92 1.42 -20.58	45.81 1.46 -23.52	55.84 1.37 -34.83	54.49 1.80 -27.04	51.82 1.76 -24.47	45.61 1.66 -20.57	41.88 1.65 -16.94	32.21 1.60 -8.43	24.95 1.56 -2.54	20.99 1.36 -0.76
LWR___OSWEGATCHIE_HYD 23850	18.42 0.20 -0.01	15.88 0.16 -0.05	15.60 0.12 -0.03	12.32 0.01 -0.11	14.82 0.01 -0.04	15.52 0.08 -0.05	15.53 0.11 -0.06	17.30 0.07 -0.16	20.11 0.04 0.00	20.28 -0.02 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.54 -0.08 0.00	20.79 -0.13 0.00	20.75 -0.08 0.00	19.40 -0.24 0.00	25.45 -0.21 0.00	25.40 -0.18 0.00	23.22 -0.16 0.00	23.42 0.14 0.00	22.35 0.16 0.00	21.02 0.17 0.00	19.01 0.13 -0.02
LYONS_FALL_HYD 23570	18.62 0.40 -0.01	16.05 0.31 -0.06	15.84 0.36 -0.04	12.48 0.15 -0.14	15.03 0.21 -0.05	15.66 0.20 -0.07	15.70 0.26 -0.08	17.55 0.27 -0.21	20.37 0.30 0.00	20.55 0.24 0.00	21.81 0.24 0.00	22.28 0.22 0.00	23.13 0.21 0.00	20.79 0.16 0.00	21.06 0.15 0.00	21.06 0.23 0.00	19.83 0.20 0.00	25.99 0.33 0.00	25.91 0.33 0.00	23.78 0.40 0.00	23.82 0.54 0.00	22.70 0.51 0.00	21.31 0.46 0.00	19.30 0.41 -0.02
MADISON___COUNTY_LFGE 323628	18.63 0.40 -0.02	16.11 0.33 -0.10	15.89 0.39 -0.06	12.67 0.23 -0.24	15.16 0.31 -0.08	15.78 0.28 -0.11	15.86 0.37 -0.14	17.83 0.41 -0.35	20.55 0.48 0.00	20.77 0.47 0.00	22.05 0.47 0.00	22.54 0.49 0.00	23.43 0.50 0.00	21.04 0.41 0.00	21.35 0.44 0.00	21.31 0.48 0.00	20.10 0.47 0.00	26.30 0.64 0.00	26.19 0.61 0.00	24.06 0.68 0.00	23.98 0.70 0.00	22.81 0.62 0.00	21.33 0.48 0.00	19.35 0.45 -0.04
MALONE___115KV_TB1 356076	18.41 0.20 0.00	15.84 0.16 0.00	15.44 0.00 0.00	12.23 0.04 0.00	14.76 -0.01 0.00	15.44 0.05 0.00	15.33 -0.03 0.00	16.97 -0.10 0.00	19.89 -0.18 0.00	20.14 -0.16 0.00	21.47 -0.11 0.00	21.82 -0.24 0.00	22.65 -0.28 0.00	20.44 -0.19 0.00	20.68 -0.23 0.00	20.71 -0.12 0.00	19.34 -0.29 0.00	25.30 -0.36 0.00	25.27 -0.31 0.00	22.89 -0.49 0.00	23.02 -0.26 0.00	21.84 -0.36 0.00	20.62 -0.23 0.00	18.66 -0.21 0.00
MAPLEWOD_115KV_TB3 80458	19.54 0.91 -0.42	18.51 0.77 -2.07	17.49 0.79 -1.26	17.79 0.62 -4.97	17.18 0.77 -1.64	18.46 0.79 -2.29	12.90 0.78 3.24	13.96 0.85 3.96	21.56 1.06 -0.43	20.90 1.10 0.50	21.05 1.17 1.70	29.29 1.21 -6.02	32.34 1.28 -8.13	30.01 1.13 -8.25	34.76 1.17 -12.68	39.82 1.15 -17.84	47.15 1.10 -26.42	47.55 1.39 -20.51	34.90 1.38 -7.94	41.13 1.33 -16.41	38.13 1.33 -13.52	30.18 1.26 -6.72	24.02 1.15 -2.02	20.61 1.00 -0.74
MAPLE RIDGE_WT_1 323574	17.82 -0.38 0.00	15.30 -0.38 0.00	15.00 -0.45 0.00	11.83 -0.37 0.00	14.32 -0.46 0.00	14.98 -0.41 0.00	14.93 -0.43 0.00	16.56 -0.51 0.00	19.44 -0.62 0.00	19.67 -0.63 0.00	20.91 -0.67 0.00	21.35 -0.71 0.00	22.17 -0.76 0.00	19.95 -0.68 0.00	20.20 -0.71 0.00	20.14 -0.69 0.00	18.97 -0.67 0.00	24.81 -0.85 0.00	24.76 -0.82 0.00	22.57 -0.82 0.00	22.53 -0.75 0.00	21.48 -0.71 0.00	20.26 -0.58 0.00	18.37 -0.49 0.00

MAPLE_RIDGE_WT_2 323611	17.82 -0.38 0.00	15.30 -0.38 0.00	15.00 -0.45 0.00	11.83 -0.37 0.00	14.32 -0.46 0.00	14.98 -0.41 0.00	14.93 -0.43 0.00	16.56 -0.51 0.00	19.44 -0.62 0.00	19.67 -0.63 0.00	20.91 -0.67 0.00	21.35 -0.71 0.00	22.17 -0.76 0.00	19.95 -0.68 0.00	20.20 -0.71 0.00	20.14 -0.69 0.00	18.97 -0.67 0.00	24.81 -0.85 0.00	24.76 -0.82 0.00	22.57 -0.82 0.00	22.53 -0.75 0.00	21.48 -0.71 0.00	20.26 -0.58 0.00	18.37 -0.49 0.00
MARBLE_RIVER_WT_PWR 323696	18.35 0.14 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.65 -0.12 0.00	15.35 -0.05 0.00	15.17 -0.18 0.00	16.77 -0.31 0.00	19.64 -0.42 0.00	19.90 -0.41 0.00	21.21 -0.37 0.00	21.57 -0.49 0.00	22.37 -0.55 0.00	20.21 -0.41 0.00	20.45 -0.46 0.00	20.48 -0.35 0.00	19.18 -0.45 0.00	25.09 -0.56 0.00	25.04 -0.54 0.00	22.71 -0.68 0.00	22.72 -0.56 0.00	21.66 -0.53 0.00	20.43 -0.42 0.00	18.47 -0.40 0.00
MARSHVLE_115KV_TB1 80742	20.29 1.57 -0.52	19.50 1.30 -2.53	18.25 1.27 -1.54	19.27 1.00 -6.08	17.97 1.20 -2.00	19.56 1.35 -2.81	28.40 1.34 -11.71	28.86 1.50 -10.28	31.73 1.75 -9.92	32.04 1.77 -9.97	32.24 1.92 -8.74	33.94 1.94 -9.94	36.20 2.02 -11.26	36.78 1.73 -14.42	39.36 1.76 -16.69	43.10 1.79 -20.48	51.63 1.67 -30.33	51.46 2.26 -23.54	44.74 2.30 -16.86	43.95 2.29 -18.27	40.66 2.33 -15.05	31.92 2.24 -7.49	25.00 1.90 -2.25	21.38 1.60 -0.91
MARSH_HILL_WT_PWR 323713	18.02 -0.25 -0.07	15.76 -0.27 -0.34	15.49 -0.17 -0.21	12.91 -0.11 -0.83	14.91 -0.13 -0.27	15.50 -0.28 -0.38	16.07 -0.29 -1.00	17.95 -0.32 -1.20	20.47 -0.30 -0.71	20.94 -0.06 -0.70	22.16 -0.02 -0.60	22.83 -0.04 -0.82	23.90 0.05 -0.93	21.71 -0.10 -1.19	22.12 -0.17 -1.38	22.31 -0.21 -1.69	22.04 -0.10 -2.50	29.92 -0.28 -4.54	32.57 -0.26 -7.25	25.17 0.26 -1.53	24.66 0.12 -1.26	23.00 0.18 -0.63	21.14 0.10 -0.19	18.90 -0.09 -0.12
MCINTYRE_115KV_TB2 80467	18.30 0.09 0.00	15.76 0.08 0.00	15.44 0.00 0.00	12.19 0.00 0.00	14.77 0.00 0.00	15.52 0.12 0.00	15.50 0.14 0.00	17.19 0.12 0.00	20.17 0.10 0.00	20.34 0.04 0.00	21.66 0.09 0.00	22.10 0.04 0.00	22.95 0.02 0.00	20.67 0.04 0.00	20.91 0.00 0.00	20.89 0.06 0.00	19.50 -0.14 0.00	25.56 -0.10 0.00	25.50 -0.08 0.00	23.20 -0.19 0.00	23.40 0.12 0.00	22.28 0.09 0.00	20.91 0.06 0.00	18.90 0.04 0.00
MECO____69_KV_BK1 80468	20.59 1.89 -0.49	19.66 1.58 -2.40	18.73 1.82 -1.46	19.42 1.45 -5.77	18.38 1.70 -1.90	19.71 1.65 -2.67	29.36 1.87 -12.12	29.10 2.07 -9.96	32.96 2.29 -10.61	33.22 2.25 -10.66	33.37 2.44 -9.36	35.26 2.43 -10.78	37.57 2.52 -12.12	38.44 2.15 -15.66	41.00 2.15 -17.93	44.91 2.23 -21.85	54.21 2.22 -32.36	53.83 3.05 -25.12	47.22 3.22 -18.42	46.15 3.27 -19.49	42.69 3.35 -16.06	33.33 3.15 -7.98	25.92 2.67 -2.40	22.00 2.26 -0.87
MENANDS__115KV_TB5 355628	19.29 0.66 -0.42	18.28 0.55 -2.06	17.27 0.57 -1.26	17.59 0.45 -4.95	16.98 0.58 -1.63	18.17 0.51 -2.27	12.25 0.51 3.62	13.78 0.55 3.84	20.60 0.70 0.17	19.94 0.71 1.08	20.13 0.73 2.18	29.33 0.88 -6.39	32.15 0.92 -8.30	30.33 0.83 -8.88	34.59 0.86 -12.82	39.25 0.83 -17.59	46.44 0.77 -26.04	46.82 0.95 -20.22	35.51 0.92 -9.01	40.38 0.89 -16.11	37.41 0.86 -13.27	29.63 0.84 -6.60	23.59 0.75 -1.99	20.25 0.64 -0.75
MG INDUSTRY__DRP 24185	19.31 0.69 -0.41	18.28 0.60 -2.01	17.31 0.63 -1.23	17.53 0.50 -4.84	16.99 0.62 -1.60	18.24 0.62 -2.23	16.11 0.61 -0.13	18.32 0.67 -0.58	22.32 0.82 -1.43	22.04 0.85 -0.89	22.49 0.88 -0.03	28.01 0.93 -5.02	30.30 0.96 -6.41	28.51 0.87 -7.02	31.65 0.88 -9.85	35.04 0.85 -13.36	40.20 0.79 -19.78	41.99 0.98 -15.36	33.79 0.95 -7.26	36.58 0.94 -12.26	34.31 0.93 -10.10	28.12 0.91 -5.02	23.19 0.83 -1.51	20.31 0.72 -0.73
MID__OSWEGATCHIE_HYD 23849	18.42 0.20 -0.01	15.88 0.16 -0.05	15.60 0.12 -0.03	12.32 0.01 -0.11	14.82 0.01 -0.04	15.52 0.08 -0.05	15.53 0.11 -0.06	17.30 0.07 -0.16	20.11 0.04 0.00	20.28 -0.02 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.54 -0.08 0.00	20.79 -0.13 0.00	20.75 -0.08 0.00	19.40 -0.24 0.00	25.45 -0.21 0.00	25.40 -0.18 0.00	23.22 -0.16 0.00	23.42 0.14 0.00	22.35 0.16 0.00	21.02 0.17 0.00	19.01 0.13 -0.02
MID__RAQUETTE_HYD 23851	18.19 -0.02 0.00	15.66 -0.02 0.00	15.35 -0.09 0.00	12.12 -0.07 0.00	14.67 -0.10 0.00	15.38 -0.02 0.00	15.36 0.00 0.00	17.04 -0.03 0.00	19.99 -0.08 0.00	20.18 -0.12 0.00	21.49 -0.09 0.00	21.90 -0.15 0.00	22.74 -0.18 0.00	20.50 -0.12 0.00	20.75 -0.17 0.00	20.66 -0.17 0.00	19.20 -0.43 0.00	25.15 -0.51 0.00	25.09 -0.49 0.00	22.80 -0.58 0.00	23.09 -0.19 0.00	22.06 -0.13 0.00	20.74 -0.10 0.00	18.77 -0.09 0.00
MILLIKEN__1 23584	18.60 0.33 -0.07	16.29 0.28 -0.33	15.97 0.32 -0.20	13.21 0.21 -0.80	15.32 0.28 -0.27	16.01 0.25 -0.37	16.62 0.28 -0.99	18.57 0.34 -1.16	21.13 0.36 -0.71	21.37 0.37 -0.70	22.59 0.41 -0.60	23.30 0.42 -0.82	24.29 0.44 -0.93	22.17 0.35 -1.19	22.64 0.36 -1.38	22.89 0.37 -1.69	22.54 0.41 -2.50	28.31 0.51 -2.14	27.95 0.54 -1.83	25.62 0.70 -1.53	25.17 0.63 -1.26	23.40 0.58 -0.63	21.45 0.42 -0.19	19.36 0.38 -0.12
MILLIKEN__2 23585	18.60 0.33 -0.07	16.29 0.28 -0.33	15.97 0.32 -0.20	13.21 0.21 -0.80	15.32 0.28 -0.27	16.01 0.25 -0.37	16.62 0.28 -0.99	18.57 0.34 -1.16	21.13 0.36 -0.71	21.37 0.37 -0.70	22.59 0.41 -0.60	23.30 0.42 -0.82	24.29 0.44 -0.93	22.17 0.35 -1.19	22.64 0.36 -1.38	22.89 0.37 -1.69	22.54 0.41 -2.50	28.31 0.51 -2.14	27.95 0.54 -1.83	25.62 0.70 -1.53	25.17 0.63 -1.26	23.40 0.58 -0.63	21.45 0.42 -0.19	19.36 0.38 -0.12
MILLIKEN__DIESEL 23629	18.60 0.33 -0.07	16.29 0.28 -0.33	15.97 0.32 -0.20	13.21 0.21 -0.80	15.32 0.28 -0.27	16.01 0.25 -0.37	16.62 0.28 -0.99	18.57 0.34 -1.16	21.13 0.36 -0.71	21.37 0.37 -0.70	22.59 0.41 -0.60	23.30 0.42 -0.82	24.29 0.44 -0.93	22.17 0.35 -1.19	22.64 0.36 -1.38	22.89 0.37 -1.69	22.54 0.41 -2.50	28.31 0.51 -2.14	27.95 0.54 -1.83	25.62 0.70 -1.53	25.17 0.63 -1.26	23.40 0.58 -0.63	21.45 0.42 -0.19	19.36 0.38 -0.12
MILLSEAT__LFGE 323607	17.71 -0.55 -0.05	15.45 -0.47 -0.24	15.32 -0.28 -0.15	12.65 -0.13 -0.59	14.81 -0.16 -0.19	15.37 -0.29 -0.27	15.67 -0.38 -0.69	17.40 -0.53 -0.85	19.86 -0.68 -0.48	20.46 -0.33 -0.48	21.64 -0.35 -0.41	22.11 -0.51 -0.55	23.09 -0.46 -0.63	20.81 -0.62 -0.80	21.11 -0.73 -0.93	21.20 -0.77 -1.14	20.71 -0.61 -1.69	25.46 -1.03 -0.83	24.87 -0.59 0.12	24.11 -0.30 -1.03	23.76 -0.37 -0.85	22.35 -0.27 -0.42	20.75 -0.23 -0.13	18.63 -0.32 -0.09
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	19.65 1.11 -0.34	18.26 0.94 -1.64	17.34 0.90 -1.00	16.87 0.73 -3.95	16.93 0.86 -1.30	18.09 0.88 -1.82	20.91 0.88 -4.67	23.87 1.04 -5.76	24.73 1.42 -3.24	24.98 1.46 -3.22	25.90 1.55 -2.77	27.52 1.68 -3.78	28.95 1.74 -4.28	27.68 1.57 -5.49	28.91 1.65 -6.35	30.18 1.56 -7.79	32.68 1.51 -11.54	36.57 1.95 -8.96	33.86 1.87 -6.41	32.14 1.68 -7.08	30.76 1.65 -5.83	26.64 1.55 -2.90	23.16 1.44 -0.87	20.61 1.15 -0.59

MILLWOOD_13_KV_LOAD 356217	19.69 1.15 -0.34	18.29 0.97 -1.64	17.37 0.93 -1.00	16.90 0.76 -3.95	16.96 0.89 -1.30	18.12 0.91 -1.82	20.94 0.91 -4.67	23.90 1.08 -5.76	24.79 1.48 -3.24	25.00 1.48 -3.22	25.94 1.60 -2.77	27.56 1.72 -3.78	29.04 1.83 -4.28	27.74 1.63 -5.49	28.96 1.69 -6.35	30.23 1.60 -7.79	32.72 1.55 -11.54	36.62 2.00 -8.96	33.91 1.92 -6.41	32.19 1.73 -7.08	30.81 1.70 -5.83	26.69 1.60 -2.90	23.18 1.46 -0.87	20.61 1.15 -0.59
MODEL_CITY_ENERGY 24167	17.22 -1.04 -0.05	15.03 -0.91 -0.26	14.94 -0.66 -0.16	12.40 -0.41 -0.62	14.46 -0.52 -0.20	14.89 -0.78 -0.29	15.28 -0.81 -0.73	17.06 -0.89 -0.88	19.50 -1.08 -0.51	20.10 -0.71 -0.51	21.28 -0.73 -0.44	21.75 -0.88 -0.57	22.73 -0.85 -0.65	20.43 -1.03 -0.83	20.73 -1.15 -0.96	20.85 -1.17 -1.18	20.40 -0.98 -1.75	24.88 -1.57 -0.79	24.21 -1.10 0.27	23.69 -0.77 -1.07	23.28 -0.88 -0.88	21.94 -0.69 -0.44	20.40 -0.58 -0.13	18.30 -0.66 -0.09
MODERN_LFGE_ 323580	17.22 -1.04 -0.05	15.03 -0.91 -0.26	14.94 -0.66 -0.16	12.40 -0.41 -0.62	14.46 -0.52 -0.20	14.89 -0.78 -0.29	15.28 -0.81 -0.73	17.06 -0.89 -0.88	19.50 -1.08 -0.51	20.10 -0.71 -0.51	21.28 -0.73 -0.44	21.75 -0.88 -0.57	22.73 -0.85 -0.65	20.43 -1.03 -0.83	20.73 -1.15 -0.96	20.85 -1.17 -1.18	20.40 -0.98 -1.75	24.88 -1.57 -0.79	24.21 -1.10 0.27	23.69 -0.77 -1.07	23.28 -0.88 -0.88	21.94 -0.69 -0.44	20.40 -0.58 -0.13	18.30 -0.66 -0.09
MOHAWK_PAPER___DRP 24187	19.54 0.91 -0.42	18.51 0.77 -2.07	17.49 0.79 -1.26	17.79 0.62 -4.97	17.18 0.77 -1.64	18.46 0.79 -2.29	12.90 0.78 3.24	13.96 0.85 3.96	21.56 1.06 -0.43	20.90 1.10 0.50	21.05 1.17 1.70	29.29 1.21 -6.02	32.34 1.28 -8.13	30.01 1.13 -8.25	34.76 1.17 -12.68	39.82 1.15 -17.84	47.15 1.10 -26.42	47.55 1.39 -20.51	34.90 1.38 -7.94	41.13 1.33 -16.41	38.13 1.33 -13.52	30.18 1.26 -6.72	24.02 1.15 -2.02	20.61 1.00 -0.74
MOHICAN__35_KV_115KV_LD 80490	20.23 1.58 -0.43	19.12 1.33 -2.11	18.09 1.36 -1.29	18.35 1.07 -5.09	17.72 1.27 -1.68	19.10 1.35 -2.35	35.53 1.37 -18.81	33.89 1.54 -15.28	36.79 1.50 -15.22	37.63 1.56 -15.76	37.80 1.75 -14.47	37.08 1.70 -13.33	38.85 1.77 -14.16	41.82 1.53 -19.67	42.93 1.46 -20.56	45.98 1.54 -23.60	56.06 1.47 -34.95	54.79 2.00 -27.13	51.75 1.97 -24.20	45.95 1.89 -20.67	42.22 1.91 -17.03	32.48 1.82 -8.47	25.38 1.98 -2.55	21.33 1.70 -0.76
MONGAUP___HYD 23641	19.46 0.95 -0.31	17.99 0.80 -1.51	17.12 0.76 -0.92	16.39 0.56 -3.63	16.64 0.67 -1.20	17.78 0.71 -1.67	20.33 0.67 -4.30	23.12 0.75 -5.29	24.12 1.08 -2.97	24.35 1.10 -2.95	25.26 1.14 -2.54	26.70 1.17 -3.47	28.05 1.19 -3.93	26.78 1.11 -5.04	27.97 1.23 -5.83	29.15 1.17 -7.15	31.38 1.16 -10.59	35.34 1.46 -8.22	32.95 1.48 -5.89	31.14 1.26 -6.50	29.86 1.23 -5.35	26.07 1.22 -2.66	22.77 1.13 -0.80	20.33 0.92 -0.54
MONTAUK___DIESEL 23721	29.34 2.18 -8.95	27.23 1.83 -9.71	23.18 1.73 -6.00	21.51 1.40 -7.91	21.22 1.68 -4.76	26.91 1.74 -9.77	28.84 1.75 -11.73	29.06 2.17 -9.82	31.80 2.87 -8.86	34.11 2.96 -10.84	37.95 2.98 -13.40	34.66 3.18 -9.43	38.08 3.32 -11.83	35.35 2.93 -11.79	37.94 3.05 -13.98	39.99 3.02 -16.14	41.74 2.89 -19.22	43.79 3.77 -14.36	44.25 3.68 -14.99	38.09 3.37 -11.34	41.71 3.33 -15.10	34.84 3.00 -9.66	32.45 2.71 -8.89	30.94 2.19 -9.89
MOONROAD_115KV_HARTFLD_TB1-2 355988	17.67 -0.60 -0.06	15.36 -0.61 -0.30	15.10 -0.53 -0.18	12.56 -0.35 -0.71	14.54 -0.47 -0.24	15.05 -0.68 -0.33	15.40 -0.81 -0.86	17.31 -0.82 -1.06	19.93 -0.74 -0.61	20.62 -0.28 -0.60	21.80 -0.30 -0.52	22.28 -0.49 -0.70	23.33 -0.39 -0.80	21.05 -0.60 -1.02	21.28 -0.82 -1.18	21.36 -0.92 -1.45	20.99 -0.79 -2.15	25.61 -1.21 -1.16	24.52 -1.15 -0.09	24.44 -0.26 -1.31	24.06 -0.30 -1.08	22.71 -0.02 -0.54	20.78 -0.23 -0.16	18.54 -0.43 -0.11
MORTIMER_115KV_TB3 55949	18.00 -0.25 -0.04	15.67 -0.22 -0.21	15.46 -0.11 -0.13	12.66 -0.04 -0.50	14.89 -0.04 -0.17	15.47 -0.15 -0.23	15.72 -0.22 -0.58	17.56 -0.24 -0.73	20.04 -0.42 -0.39	20.51 -0.18 -0.39	21.76 -0.15 -0.33	22.25 -0.26 -0.46	23.21 -0.23 -0.52	20.98 -0.31 -0.66	21.30 -0.38 -0.77	21.37 -0.40 -0.94	20.75 -0.27 -1.39	26.15 -0.59 -1.08	25.94 -0.41 -0.77	24.12 -0.12 -0.85	23.77 -0.21 -0.70	22.38 -0.16 -0.35	20.70 -0.25 -0.11	18.83 -0.11 -0.08
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	19.78 1.24 -0.34	18.38 1.05 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.11 1.75 -2.79	27.76 1.90 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.14 1.84 -6.39	30.42 1.75 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.73 1.26 -0.60
MUNSVILLE_WIND_PWR 323609	19.44 1.13 -0.10	17.09 0.91 -0.50	16.68 0.93 -0.31	13.99 0.59 -1.21	15.95 0.78 -0.40	16.73 0.78 -0.56	17.98 0.92 -1.70	19.84 1.01 -1.76	22.59 1.16 -1.36	22.73 1.08 -1.35	23.86 1.12 -1.16	24.83 1.21 -1.56	25.90 1.21 -1.76	23.94 1.05 -2.26	24.61 1.09 -2.61	25.27 1.23 -3.21	25.64 1.26 -4.75	31.23 1.75 -3.82	30.26 1.74 -2.95	28.25 1.96 -2.90	27.65 1.98 -2.39	25.13 1.75 -1.19	22.58 1.38 -0.36	20.22 1.17 -0.18
N SALMON___HYD 24042	18.41 0.20 0.00	15.84 0.16 0.00	15.44 0.00 0.00	12.23 0.04 0.00	14.76 -0.01 0.00	15.44 0.05 0.00	15.33 -0.03 0.00	16.97 -0.10 0.00	19.89 -0.18 0.00	20.14 -0.16 0.00	21.47 -0.11 0.00	21.82 -0.24 0.00	22.65 -0.27 0.00	20.44 -0.19 0.00	20.66 -0.25 0.00	20.69 -0.14 0.00	19.34 -0.29 0.00	25.28 -0.38 0.00	25.27 -0.31 0.00	22.89 -0.49 0.00	23.02 -0.26 0.00	21.95 -0.24 0.00	20.68 -0.17 0.00	18.66 -0.21 0.00
N.AKRON__115KV_KNAPP 355671	17.71 -0.55 -0.05	15.44 -0.49 -0.25	15.33 -0.26 -0.15	12.67 -0.12 -0.59	14.81 -0.16 -0.20	15.36 -0.31 -0.27	15.67 -0.38 -0.70	17.40 -0.53 -0.86	19.87 -0.68 -0.48	20.46 -0.32 -0.48	21.67 -0.32 -0.41	22.13 -0.49 -0.56	23.12 -0.44 -0.63	20.82 -0.62 -0.81	21.12 -0.73 -0.94	21.21 -0.77 -1.15	20.76 -0.57 -1.70	25.48 -1.00 -0.82	24.84 -0.59 0.15	24.15 -0.28 -1.04	23.77 -0.37 -0.86	22.38 -0.24 -0.43	20.60 -0.38 -0.13	18.65 -0.30 -0.09
N.BELMOR_69_KV_BK1 55787	28.70 1.55 -8.95	26.71 1.32 -9.71	22.68 1.24 -6.00	21.11 1.00 -7.91	20.73 1.20 -4.76	26.41 1.25 -9.77	28.30 1.21 -11.73	28.31 1.42 -9.82	30.79 1.87 -8.86	33.04 1.89 -10.84	36.94 1.96 -13.40	33.58 2.10 -9.43	36.93 2.18 -11.83	34.38 1.96 -11.79	36.96 2.07 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.54 2.51 -14.36	42.99 2.43 -14.99	36.95 2.22 -11.34	40.55 2.16 -15.10	33.87 2.02 -9.66	31.66 1.92 -8.89	30.32 1.57 -9.89
N.E._GEN_SANDY PD 24062	19.50 0.91 -0.38	18.32 0.78 -1.86	17.39 0.80 -1.14	17.31 0.63 -4.48	17.02 0.77 -1.48	18.26 0.80 -2.07	25.40 0.75 -9.29	27.60 0.82 -9.71	27.73 1.10 -6.56	28.18 1.10 -6.78	28.90 1.12 -6.20	29.40 1.21 -6.13	30.72 1.26 -6.53	30.80 1.13 -9.04	31.60 1.19 -9.50	32.90 1.12 -10.94	36.90 1.06 -16.21	39.60 1.36 -12.58	38.00 1.33 -11.09	34.47 1.24 -9.85	32.60 1.21 -8.11	27.40 1.18 -4.03	23.19 1.13 -1.21	20.52 0.98 -0.67

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.59 1.06 -0.33	18.17 0.89 -1.59	17.27 0.85 -0.97	16.71 0.68 -3.83	16.85 0.81 -1.26	17.98 0.82 -1.77	20.74 0.84 -4.54	23.65 0.99 -5.59	24.57 1.36 -3.14	24.82 1.40 -3.12	25.77 1.51 -2.69	27.34 1.61 -3.67	28.77 1.70 -4.15	27.50 1.55 -5.32	28.70 1.63 -6.16	29.95 1.56 -7.56	32.31 1.49 -11.19	36.30 1.95 -8.69	33.67 1.87 -6.22	31.91 1.66 -6.86	30.54 1.61 -5.65	26.51 1.51 -2.81	23.09 1.40 -0.85	20.55 1.11 -0.57
N.QUEENS_27_KV_LOAD 356247	19.99 1.44 -0.35	18.54 1.21 -1.65	17.58 1.13 -1.01	17.13 0.95 -3.98	17.21 1.12 -1.32	18.27 1.05 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.93 1.61 -3.26	25.12 1.58 -3.23	26.11 1.75 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.08 2.05 -6.45	32.37 1.87 -7.12	31.03 1.89 -5.86	26.84 1.73 -2.92	23.58 1.86 -0.88	20.80 1.34 -0.60
N.TROY___115KV_TB1 355778	19.54 0.91 -0.43	18.53 0.78 -2.07	17.51 0.80 -1.27	17.83 0.65 -4.99	17.20 0.78 -1.65	18.49 0.80 -2.30	44.50 0.84 -28.30	43.01 0.90 -25.04	41.59 1.12 -20.40	43.16 1.14 -21.72	43.49 1.19 -20.73	38.42 1.24 -15.12	39.08 1.31 -14.85	44.55 1.16 -22.77	43.01 1.17 -20.93	43.69 1.15 -21.71	52.89 1.10 -32.16	52.03 1.41 -24.96	56.55 1.41 -29.57	43.03 1.26 -18.38	39.65 1.23 -15.14	30.92 1.20 -7.53	24.26 1.15 -2.27	20.61 1.00 -0.75
NARROWS_GT1_1 24228	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_2 24229	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_3 24230	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_4 24231	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_5 24232	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_6 24233	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_7 24234	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT1_8 24235	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_1 24236	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_2 24237	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_3 24238	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_4 24239	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60

NARROWS_GT2_5 24240	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_6 24241	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_7 24242	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NARROWS_GT2_8 24243	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	19.37 0.76 -0.40	18.24 0.63 -1.94	17.24 0.62 -1.18	17.28 0.43 -4.66	16.86 0.55 -1.54	18.14 0.60 -2.14	16.06 0.74 0.03	18.30 0.75 -0.48	22.23 0.94 -1.22	22.01 1.02 -0.69	22.49 1.04 0.12	27.50 0.73 -4.71	29.70 0.73 -6.05	27.95 0.74 -6.58	31.07 0.86 -9.30	34.31 0.83 -12.65	39.15 0.79 -18.73	41.10 0.90 -14.54	33.32 0.97 -6.77	35.85 0.84 -11.62	33.67 0.81 -9.57	27.82 0.87 -4.76	22.99 0.71 -1.43	20.19 0.62 -0.70
NCHELSEA_115KV_TR2 355582	19.68 1.13 -0.34	18.28 0.94 -1.66	17.35 0.90 -1.01	16.87 0.70 -3.99	16.90 0.81 -1.31	18.06 0.83 -1.84	20.93 0.84 -4.73	23.84 0.96 -5.81	24.67 1.32 -3.28	24.92 1.36 -3.26	25.83 1.45 -2.81	27.37 1.48 -3.84	28.80 1.54 -4.34	27.64 1.44 -5.56	28.92 1.57 -6.44	30.21 1.48 -7.90	32.77 1.43 -11.70	36.54 1.80 -9.08	33.85 1.76 -6.51	32.11 1.54 -7.18	30.71 1.51 -5.91	26.60 1.46 -2.94	23.07 1.33 -0.89	20.56 1.09 -0.60
NEG CAPITAL___MECHNVIL 23645	19.88 1.24 -0.43	18.83 1.05 -2.10	17.81 1.08 -1.28	18.10 0.85 -5.05	17.46 1.02 -1.67	18.80 1.08 -2.33	38.30 1.09 -21.85	36.66 1.19 -18.39	38.34 1.38 -16.89	39.46 1.46 -17.69	39.64 1.57 -16.49	37.61 1.61 -13.94	39.04 1.70 -14.42	42.83 1.49 -20.72	43.13 1.48 -20.73	45.40 1.50 -23.07	55.21 1.41 -34.16	54.00 1.82 -26.52	53.38 1.82 -25.98	45.09 1.71 -20.00	41.43 1.68 -16.48	32.00 1.62 -8.19	24.88 1.56 -2.47	20.96 1.34 -0.76
NEG CENTRAL_HIGH_ACRES 23767	17.78 -0.47 -0.04	15.47 -0.41 -0.20	15.27 -0.29 -0.12	12.46 -0.22 -0.49	14.67 -0.27 -0.16	15.25 -0.37 -0.22	15.54 -0.38 -0.56	17.38 -0.39 -0.70	19.87 -0.58 -0.38	20.28 -0.41 -0.38	21.54 -0.37 -0.33	22.04 -0.46 -0.44	22.97 -0.46 -0.50	20.77 -0.50 -0.64	21.09 -0.56 -0.74	21.20 -0.54 -0.91	20.53 -0.45 -1.35	25.94 -0.77 -1.05	25.69 -0.64 -0.75	23.84 -0.38 -0.83	23.52 -0.44 -0.68	22.11 -0.42 -0.34	20.49 -0.46 -0.10	18.56 -0.38 -0.07
NEG CENTRAL___DRP 24199	18.22 -0.04 -0.05	15.87 -0.03 -0.22	15.59 0.02 -0.13	12.72 0.00 -0.53	14.96 0.01 -0.17	15.59 -0.05 -0.24	15.96 -0.02 -0.62	17.86 0.03 -0.75	20.49 0.02 -0.41	20.79 0.08 -0.40	22.05 0.13 -0.35	22.68 0.13 -0.49	23.62 0.14 -0.55	21.42 0.08 -0.71	21.78 0.04 -0.82	21.88 0.04 -1.01	21.23 0.10 -1.50	27.10 0.03 -1.41	27.05 0.08 -1.40	24.58 0.28 -0.92	24.22 0.19 -0.75	22.74 0.18 -0.37	20.98 0.02 -0.11	19.00 0.06 -0.08
NEG CENTRAL___INDECK 23768	18.40 0.13 -0.06	16.06 0.09 -0.29	15.84 0.22 -0.18	13.09 0.19 -0.70	15.24 0.24 -0.23	15.82 0.11 -0.32	16.28 0.09 -0.83	18.13 0.05 -1.01	20.53 -0.12 -0.58	20.94 0.06 -0.58	21.99 -0.09 -0.50	22.51 -0.22 -0.67	23.53 -0.16 -0.76	21.31 -0.29 -0.98	21.81 -0.23 -1.13	21.95 -0.27 -1.39	21.55 -0.14 -2.05	29.68 -0.23 -4.25	32.90 0.20 -7.12	25.25 0.61 -1.26	24.92 0.60 -1.04	23.28 0.58 -0.52	21.42 0.42 -0.16	19.27 0.30 -0.10
NEG CENTRAL___SENECA 23627	18.18 -0.07 -0.05	15.86 -0.06 -0.24	15.62 0.03 -0.15	12.79 0.01 -0.59	15.00 0.03 -0.19	15.60 -0.06 -0.27	16.03 -0.02 -0.69	17.91 0.02 -0.82	20.52 0.00 -0.45	20.87 0.12 -0.45	22.16 0.19 -0.39	22.79 0.18 -0.55	23.76 0.21 -0.63	21.53 0.10 -0.80	21.90 0.06 -0.93	22.01 0.04 -1.14	21.45 0.14 -1.68	27.42 0.05 -1.71	27.54 0.13 -1.83	24.81 0.40 -1.03	24.41 0.28 -0.85	22.88 0.27 -0.42	21.04 0.06 -0.13	19.03 0.08 -0.09
NEG CENTRAL___STATE_STREET 24147	18.52 0.27 -0.04	16.14 0.25 -0.21	15.73 0.15 -0.13	12.78 0.07 -0.52	15.06 0.12 -0.17	15.83 0.20 -0.24	16.09 0.12 -0.61	18.02 0.20 -0.74	20.70 0.22 -0.41	20.95 0.24 -0.41	22.23 0.30 -0.35	22.87 0.33 -0.48	23.74 0.28 -0.54	21.57 0.25 -0.70	21.95 0.23 -0.81	22.07 0.25 -0.99	21.37 0.27 -1.47	27.19 0.28 -1.25	26.91 0.28 -1.05	24.70 0.42 -0.90	24.37 0.35 -0.74	22.87 0.31 -0.37	21.15 0.19 -0.11	19.11 0.17 -0.08
NEG MILLWOOD___DRP 24198	19.75 1.20 -0.34	18.37 1.02 -1.67	17.45 0.99 -1.02	16.98 0.77 -4.02	16.99 0.89 -1.33	18.17 0.92 -1.85	21.05 0.92 -4.77	24.01 1.08 -5.86	24.86 1.48 -3.31	25.07 1.48 -3.28	25.98 1.58 -2.83	27.60 1.68 -3.86	29.13 1.83 -4.37	27.84 1.61 -5.60	29.09 1.69 -6.49	30.39 1.60 -7.96	32.95 1.53 -11.79	36.78 1.98 -9.15	34.02 1.89 -6.55	32.32 1.71 -7.23	30.93 1.70 -5.95	26.75 1.60 -2.96	23.16 1.42 -0.89	20.62 1.15 -0.60
NEG NORTH_FLCN_SEA 23793	18.53 0.33 0.00	15.93 0.25 0.00	15.49 0.05 0.00	12.27 0.07 0.00	14.79 0.01 0.00	15.49 0.09 0.00	15.31 -0.05 0.00	16.92 -0.15 0.00	19.83 -0.24 0.00	20.10 -0.20 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.66 -0.25 0.00	20.71 -0.12 0.00	19.38 -0.26 0.00	25.35 -0.31 0.00	25.32 -0.26 0.00	22.94 -0.44 0.00	22.98 -0.30 0.00	21.77 -0.42 0.00	20.60 -0.25 0.00	18.64 -0.23 0.00
NEG NORTH_KES_CHATEGAY 23792	18.33 0.13 0.00	15.77 0.09 0.00	15.35 -0.09 0.00	12.16 -0.04 0.00	14.66 -0.12 0.00	15.35 -0.05 0.00	15.17 -0.18 0.00	16.77 -0.31 0.00	19.62 -0.44 0.00	19.90 -0.41 0.00	21.21 -0.37 0.00	21.55 -0.51 0.00	22.35 -0.57 0.00	20.19 -0.43 0.00	20.45 -0.46 0.00	20.48 -0.35 0.00	19.18 -0.45 0.00	25.12 -0.54 0.00	25.09 -0.49 0.00	22.73 -0.65 0.00	22.77 -0.51 0.00	21.61 -0.58 0.00	20.43 -0.42 0.00	18.49 -0.38 0.00

NEG NORTH___ALICE_FALLS 23915	18.53 0.33 0.00	15.94 0.27 0.00	15.49 0.05 0.00	12.28 0.09 0.00	14.79 0.01 0.00	15.50 0.11 0.00	15.33 -0.03 0.00	16.94 -0.14 0.00	19.83 -0.24 0.00	20.08 -0.22 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.66 -0.25 0.00	20.73 -0.10 0.00	19.40 -0.24 0.00	25.38 -0.28 0.00	25.37 -0.20 0.00	22.96 -0.42 0.00	23.00 -0.28 0.00	21.79 -0.40 0.00	20.60 -0.25 0.00	18.66 -0.21 0.00
NEG NORTH___LWR_SARANAC 23913	18.53 0.33 0.00	15.94 0.27 0.00	15.49 0.05 0.00	12.28 0.09 0.00	14.79 0.01 0.00	15.50 0.11 0.00	15.33 -0.03 0.00	16.94 -0.14 0.00	19.83 -0.24 0.00	20.08 -0.22 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.66 -0.25 0.00	20.73 -0.10 0.00	19.40 -0.24 0.00	25.38 -0.28 0.00	25.37 -0.20 0.00	22.96 -0.42 0.00	23.00 -0.28 0.00	21.79 -0.40 0.00	20.60 -0.25 0.00	18.66 -0.21 0.00
NEG NORTH___PLATTSBURG 23628	18.54 0.33 0.00	15.94 0.27 0.00	15.49 0.05 0.00	12.28 0.09 0.00	14.80 0.03 0.00	15.50 0.11 0.00	15.33 -0.03 0.00	16.94 -0.14 0.00	19.83 -0.24 0.00	20.08 -0.22 0.00	21.43 -0.15 0.00	21.77 -0.29 0.00	22.58 -0.34 0.00	20.42 -0.21 0.00	20.64 -0.27 0.00	20.71 -0.12 0.00	19.40 -0.23 0.00	25.35 -0.31 0.00	25.35 -0.23 0.00	22.96 -0.42 0.00	23.00 -0.28 0.00	21.90 -0.29 0.00	20.66 -0.19 0.00	18.66 -0.21 0.00
NEG WEST_LEA_LOCKPORT 23791	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.16	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.10 -0.57 -0.28	15.42 -0.66 -0.72	17.09 -0.87 -0.89	19.50 -1.06 -0.50	20.11 -0.69 -0.50	21.27 -0.73 -0.43	21.76 -0.88 -0.58	22.73 -0.85 -0.66	20.46 -1.01 -0.84	20.75 -1.13 -0.97	20.86 -1.17 -1.19	20.43 -0.96 -1.76	24.85 -1.57 -0.76	24.04 -1.18 0.36	23.69 -0.77 -1.08	23.31 -0.86 -0.89	21.95 -0.69 -0.44	20.25 -0.73 -0.13	18.31 -0.64 -0.09
NEG WEST___LANCASTR 23811	17.01 -1.26 -0.06	14.85 -1.13 -0.30	14.67 -0.96 -0.18	12.25 -0.66 -0.71	14.21 -0.80 -0.24	14.71 -1.02 -0.33	15.15 -1.06 -0.86	16.87 -1.25 -1.05	19.68 -0.98 -0.60	20.27 -0.63 -0.60	21.46 -0.63 -0.51	22.03 -0.73 -0.69	23.02 -0.69 -0.79	20.81 -0.83 -1.01	21.18 -0.90 -1.17	21.32 -0.94 -1.43	20.96 -0.79 -2.12	25.48 -1.21 -1.03	23.78 -1.64 0.16	24.12 -0.56 -1.30	23.63 -0.72 -1.07	22.17 -0.55 -0.53	20.34 -0.67 -0.16	17.90 -1.08 -0.11
NEG_PENN_ALLEGHNY 23528	18.43 0.11 -0.11	16.29 0.08 -0.53	15.89 0.12 -0.32	13.57 0.10 -1.28	15.33 0.13 -0.42	16.06 0.08 -0.59	17.05 0.09 -1.60	19.08 0.14 -1.87	21.47 0.24 -1.16	21.78 0.32 -1.16	22.96 0.39 -1.00	23.78 0.37 -1.35	24.86 0.41 -1.52	22.91 0.33 -1.95	23.49 0.31 -2.26	23.92 0.31 -2.77	24.07 0.33 -4.10	29.23 0.39 -3.19	28.20 0.33 -2.29	26.44 0.54 -2.51	25.79 0.44 -2.07	23.64 0.42 -1.03	21.49 0.33 -0.31	19.28 0.23 -0.19
NEG___GEN_MONROE 24207	17.92 -0.33 -0.04	15.59 -0.30 -0.21	15.37 -0.20 -0.13	12.59 -0.11 -0.51	14.82 -0.12 -0.17	15.41 -0.22 -0.23	15.67 -0.28 -0.59	17.46 -0.34 -0.73	19.96 -0.50 -0.39	20.43 -0.26 -0.39	21.68 -0.24 -0.34	22.17 -0.35 -0.46	23.15 -0.30 -0.52	20.88 -0.41 -0.67	21.18 -0.50 -0.77	21.24 -0.54 -0.95	20.67 -0.37 -1.41	26.01 -0.74 -1.09	25.82 -0.54 -0.78	24.01 -0.23 -0.86	23.59 -0.40 -0.71	22.26 -0.29 -0.35	20.60 -0.35 -0.11	18.75 -0.19 -0.08
NEPA___ENERGY 23901	17.60 -0.67 -0.06	15.35 -0.63 -0.30	15.13 -0.49 -0.18	12.62 -0.29 -0.72	14.64 -0.37 -0.24	15.19 -0.54 -0.33	15.59 -0.63 -0.86	17.43 -0.72 -1.07	20.02 -0.66 -0.62	20.63 -0.28 -0.61	21.84 -0.26 -0.53	22.40 -0.38 -0.71	23.43 -0.30 -0.81	21.21 -0.45 -1.03	21.56 -0.54 -1.19	21.69 -0.60 -1.47	21.33 -0.47 -2.17	25.98 -0.74 -1.06	24.66 -0.77 0.15	24.60 -0.12 -1.33	24.09 -0.28 -1.09	22.63 -0.11 -0.54	20.74 -0.27 -0.16	18.56 -0.42 -0.11
NEVERSINK___HYD 23608	19.24 0.73 -0.31	17.76 0.60 -1.49	16.86 0.51 -0.91	16.13 0.35 -3.58	16.37 0.41 -1.18	17.52 0.48 -1.65	20.11 0.43 -4.32	22.78 0.50 -5.21	23.92 0.80 -3.05	24.14 0.81 -3.03	25.05 0.86 -2.61	26.51 0.88 -3.57	27.88 0.92 -4.04	26.69 0.89 -5.17	27.90 1.00 -5.99	29.12 0.94 -7.35	31.46 0.94 -10.88	35.31 1.21 -8.45	32.81 1.18 -6.05	31.06 0.98 -6.69	29.72 0.93 -5.51	25.86 0.93 -2.74	22.49 0.81 -0.82	20.02 0.62 -0.54
NEWKRMKL_115KV_TB1 55635	19.18 0.55 -0.42	18.21 0.47 -2.06	17.20 0.49 -1.26	17.52 0.38 -4.95	16.91 0.50 -1.63	18.13 0.46 -2.28	14.11 0.48 1.73	15.54 0.53 2.06	21.73 0.66 -1.00	21.20 0.67 -0.23	21.44 0.71 0.85	29.13 0.79 -6.28	31.83 0.83 -8.08	30.12 0.74 -8.75	34.14 0.77 -12.45	38.56 0.75 -16.98	45.46 0.69 -25.14	46.02 0.85 -19.52	35.36 0.82 -8.96	39.72 0.80 -15.54	36.85 0.77 -12.80	29.31 0.75 -6.37	23.43 0.67 -1.92	20.18 0.57 -0.74
NEWTON___FALLS_HYD 23847	18.42 0.20 -0.01	15.88 0.16 -0.05	15.60 0.12 -0.03	12.32 0.01 -0.11	14.82 0.01 -0.04	15.52 0.08 -0.05	15.53 0.11 -0.06	17.30 0.07 -0.16	20.11 0.04 0.00	20.28 -0.02 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.54 -0.08 0.00	20.79 -0.13 0.00	20.75 -0.08 0.00	19.40 -0.24 0.00	25.45 -0.21 0.00	25.40 -0.18 0.00	23.22 -0.16 0.00	23.42 0.14 0.00	22.35 0.16 0.00	21.02 0.17 0.00	19.01 0.13 -0.02
NGRID_A1_DSASP 323792	17.26 -1.00 -0.05	15.09 -0.85 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.74	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.30 -1.48 -0.48	20.43 -1.55 -0.41	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.68 -1.69 -1.74	24.38 -2.05 -0.77	23.83 -1.38 0.36	22.78 -1.66 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.61 -1.35 -0.11	17.62 -1.32 -0.07
NGRID_A2_DSASP 323793	17.26 -1.00 -0.05	15.09 -0.85 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.74	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.30 -1.48 -0.48	20.43 -1.55 -0.41	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.68 -1.69 -1.74	24.38 -2.05 -0.77	23.83 -1.38 0.36	22.78 -1.66 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.61 -1.35 -0.11	17.62 -1.32 -0.07
NGRID_A4_DSASP 323807	17.26 -1.00 -0.05	15.11 -0.83 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.75	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.29 -1.48 -0.47	20.45 -1.53 -0.40	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.70 -1.67 -1.74	24.38 -2.05 -0.77	23.84 -1.38 0.36	22.81 -1.64 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.44 -1.52 -0.11	17.62 -1.32 -0.07
NIAGARA_115E_LBMP 323715	17.11 -1.15 -0.05	14.93 -1.00 -0.26	14.86 -0.74 -0.16	12.33 -0.49 -0.62	14.37 -0.61 -0.21	14.80 -0.88 -0.29	15.21 -0.89 -0.74	16.77 -1.21 -0.91	19.10 -1.48 -0.51	19.70 -1.12 -0.51	20.83 -1.19 -0.44	21.31 -1.35 -0.59	22.27 -1.33 -0.67	20.00 -1.49 -0.86	20.30 -1.61 -1.00	20.43 -1.62 -1.22	20.01 -1.43 -1.81	24.29 -2.16 -0.79	23.71 -1.51 0.36	23.19 -1.31 -1.11	22.77 -1.42 -0.91	21.47 -1.18 -0.46	19.98 -1.00 -0.14	17.96 -1.00 -0.09

NIAGARA_115W_LBMP 323714	17.22 -1.04 -0.05	15.07 -0.86 -0.26	15.02 -0.59 -0.16	12.46 -0.35 -0.62	14.54 -0.44 -0.21	14.96 -0.72 -0.29	14.81 -1.29 -0.74	16.38 -1.57 -0.87	18.64 -1.91 -0.48	19.22 -1.56 -0.48	20.34 -1.64 -0.41	20.81 -1.81 -0.56	21.75 -1.81 -0.63	19.59 -1.86 -0.82	19.87 -1.99 -0.95	19.98 -2.02 -1.17	19.59 -1.79 -1.74	24.33 -2.10 -0.77	23.83 -1.38 0.36	22.69 -1.75 -1.06	22.28 -1.86 -0.87	20.97 -1.64 -0.42	19.50 -1.46 -0.11	17.54 -1.40 -0.07
NIAGARA_230_LBMP 323716	17.31 -0.95 -0.05	15.12 -0.82 -0.26	15.03 -0.57 -0.16	12.45 -0.35 -0.61	14.53 -0.44 -0.20	14.98 -0.69 -0.28	15.30 -0.78 -0.73	16.96 -1.01 -0.89	19.32 -1.24 -0.50	19.91 -0.89 -0.50	21.05 -0.95 -0.43	21.53 -1.10 -0.58	22.50 -1.08 -0.65	20.27 -1.20 -0.84	20.56 -1.32 -0.97	20.69 -1.33 -1.19	20.24 -1.16 -1.76	24.63 -1.82 -0.79	23.65 -1.59 0.34	23.48 -0.98 -1.08	23.05 -1.12 -0.89	21.70 -0.93 -0.44	20.21 -0.77 -0.13	18.18 -0.77 -0.09
NIAGARA__115KV_198_GIBSON 55903	17.24 -1.02 -0.05	15.07 -0.86 -0.26	15.02 -0.59 -0.16	12.46 -0.35 -0.62	14.54 -0.44 -0.21	14.96 -0.72 -0.29	14.81 -1.29 -0.75	16.38 -1.57 -0.87	18.64 -1.91 -0.48	19.21 -1.56 -0.47	20.34 -1.64 -0.40	20.81 -1.81 -0.56	21.75 -1.81 -0.63	19.59 -1.86 -0.82	19.87 -1.99 -0.95	19.98 -2.02 -1.17	19.61 -1.77 -1.74	24.33 -2.10 -0.77	23.84 -1.38 0.36	22.69 -1.75 -1.06	22.28 -1.86 -0.87	20.97 -1.64 -0.42	19.34 -1.63 -0.11	17.54 -1.40 -0.07
NIAGARA____ 23760	17.15 -1.11 -0.05	14.98 -0.96 -0.26	14.89 -0.71 -0.16	12.37 -0.45 -0.62	14.42 -0.56 -0.21	14.85 -0.83 -0.29	14.98 -1.12 -0.74	16.67 -1.30 -0.89	19.00 -1.57 -0.50	19.60 -1.20 -0.49	20.75 -1.25 -0.43	21.25 -1.39 -0.58	22.20 -1.37 -0.65	20.00 -1.46 -0.84	20.32 -1.57 -0.97	20.44 -1.58 -1.19	20.01 -1.39 -1.77	24.50 -1.95 -0.79	23.65 -1.59 0.34	23.16 -1.31 -1.08	22.75 -1.42 -0.89	21.41 -1.22 -0.44	19.89 -1.09 -0.13	17.78 -1.17 -0.08
NINE_MILE_1 23575	17.79 -0.44 -0.02	15.41 -0.38 -0.11	15.17 -0.34 -0.07	12.18 -0.27 -0.26	14.53 -0.33 -0.09	15.14 -0.37 -0.12	15.14 -0.37 -0.15	17.06 -0.39 -0.38	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.05 -0.58 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.49 -0.42 -0.04
NINE_MILE_2 23744	17.81 -0.42 -0.02	15.41 -0.38 -0.11	15.17 -0.34 -0.07	12.18 -0.27 -0.26	14.53 -0.33 -0.09	15.14 -0.37 -0.12	15.14 -0.37 -0.15	17.07 -0.39 -0.38	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.05 -0.58 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.49 -0.42 -0.04
NM_CAPITAL____DRP 24208	19.25 0.62 -0.42	18.25 0.52 -2.05	17.24 0.54 -1.25	17.54 0.41 -4.94	16.95 0.55 -1.63	18.17 0.51 -2.27	11.29 0.51 4.58	12.97 0.55 4.65	19.93 0.70 0.83	19.21 0.71 1.80	19.42 0.73 2.89	28.50 0.84 -5.60	31.38 0.87 -7.59	29.08 0.78 -7.67	33.57 0.82 -11.84	38.33 0.79 -16.71	45.10 0.73 -24.74	45.76 0.90 -19.20	33.80 0.87 -7.35	39.62 0.84 -15.39	36.77 0.81 -12.68	29.29 0.80 -6.30	23.48 0.73 -1.90	20.23 0.62 -0.74
NM_CENTRAL____DRP 24181	18.15 -0.09 -0.03	15.75 -0.08 -0.15	15.49 -0.05 -0.09	12.51 -0.05 -0.36	14.83 -0.06 -0.12	15.45 -0.11 -0.17	15.69 -0.08 -0.41	17.55 -0.05 -0.53	20.23 -0.10 -0.26	20.48 -0.08 -0.26	21.74 -0.06 -0.23	22.28 -0.09 -0.31	23.18 -0.09 -0.35	20.97 -0.10 -0.44	21.30 -0.13 -0.51	21.34 -0.12 -0.63	20.49 -0.08 -0.93	26.21 -0.18 -0.73	25.92 -0.18 -0.52	23.89 -0.07 -0.57	23.63 -0.12 -0.47	22.31 -0.11 -0.23	20.77 -0.15 -0.07	18.86 -0.06 -0.05
NM_FRONTIER____DRP 24179	17.24 -1.02 -0.05	15.07 -0.86 -0.26	15.02 -0.59 -0.16	12.46 -0.35 -0.62	14.54 -0.44 -0.21	14.96 -0.72 -0.29	14.81 -1.29 -0.75	16.38 -1.57 -0.87	18.64 -1.91 -0.48	19.21 -1.56 -0.47	20.34 -1.64 -0.40	20.81 -1.81 -0.56	21.75 -1.81 -0.63	19.59 -1.86 -0.82	19.87 -1.99 -0.95	19.98 -2.02 -1.17	19.61 -1.77 -1.74	24.33 -2.10 -0.77	23.84 -1.38 0.36	22.69 -1.75 -1.06	22.28 -1.86 -0.87	20.97 -1.64 -0.42	19.34 -1.63 -0.11	17.54 -1.40 -0.07
NM_ST_REGIS____HYD 24053	18.23 0.02 0.00	15.69 0.02 0.00	15.37 -0.08 0.00	12.13 -0.06 0.00	14.68 -0.09 0.00	15.38 -0.02 0.00	15.34 -0.02 0.00	17.00 -0.07 0.00	19.95 -0.12 0.00	20.16 -0.14 0.00	21.47 -0.11 0.00	21.88 -0.18 0.00	22.72 -0.21 0.00	20.48 -0.14 0.00	20.72 -0.19 0.00	20.66 -0.17 0.00	19.22 -0.41 0.00	25.17 -0.49 0.00	25.12 -0.46 0.00	22.82 -0.56 0.00	23.07 -0.21 0.00	21.99 -0.20 0.00	20.70 -0.15 0.00	18.71 -0.15 0.00
NORTHPORT____1 23551	28.70 1.55 -8.95	26.71 1.32 -9.71	22.65 1.21 -6.00	21.10 0.99 -7.91	20.70 1.17 -4.76	26.40 1.23 -9.78	28.30 1.21 -11.73	28.33 1.43 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.85 1.88 -13.40	33.32 1.83 -9.43	36.68 1.93 -11.83	34.15 1.73 -11.79	36.73 1.84 -13.98	38.78 1.81 -16.14	40.62 1.77 -19.22	42.30 2.28 -14.36	42.76 2.20 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.62 1.78 -9.66	31.49 1.75 -8.89	30.19 1.43 -9.89
NORTHPORT____2 23552	28.70 1.55 -8.95	26.71 1.32 -9.71	22.65 1.21 -6.00	21.10 0.99 -7.91	20.70 1.17 -4.76	26.40 1.23 -9.78	28.30 1.21 -11.73	28.33 1.43 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.85 1.88 -13.40	33.32 1.83 -9.43	36.68 1.93 -11.83	34.15 1.73 -11.79	36.73 1.84 -13.98	38.78 1.81 -16.14	40.62 1.77 -19.22	42.30 2.28 -14.36	42.76 2.20 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.62 1.78 -9.66	31.49 1.75 -8.89	30.19 1.43 -9.89
NORTHPORT____3 23553	28.50 1.35 -8.95	26.58 1.19 -9.71	22.56 1.11 -6.00	21.01 0.90 -7.91	20.60 1.06 -4.76	26.29 1.12 -9.78	28.15 1.06 -11.73	28.00 1.11 -9.82	30.38 1.46 -8.85	32.62 1.48 -10.83	36.45 1.49 -13.39	33.09 1.61 -9.42	36.42 1.67 -11.82	33.92 1.50 -11.79	36.49 1.61 -13.97	38.59 1.63 -16.14	40.45 1.59 -19.22	42.08 2.05 -14.36	42.51 1.94 -14.99	36.50 1.78 -11.34	40.11 1.72 -15.10	33.38 1.53 -9.66	31.28 1.54 -8.89	30.08 1.32 -9.89
NORTHPORT____4 23650	28.50 1.35 -8.95	26.58 1.19 -9.71	22.56 1.11 -6.00	21.01 0.90 -7.91	20.60 1.06 -4.76	26.29 1.12 -9.78	28.15 1.06 -11.73	28.00 1.11 -9.82	30.38 1.46 -8.85	32.62 1.48 -10.83	36.45 1.49 -13.39	33.09 1.61 -9.42	36.42 1.67 -11.82	33.92 1.50 -11.79	36.49 1.61 -13.97	38.59 1.63 -16.14	40.45 1.59 -19.22	42.08 2.05 -14.36	42.51 1.94 -14.99	36.50 1.78 -11.34	40.11 1.72 -15.10	33.38 1.53 -9.66	31.28 1.54 -8.89	30.08 1.32 -9.89
NORTHPORT____IC 23718	28.70 1.55 -8.95	26.71 1.32 -9.71	22.65 1.21 -6.00	21.10 0.99 -7.91	20.70 1.17 -4.76	26.40 1.23 -9.78	28.30 1.21 -11.73	28.33 1.43 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.85 1.88 -13.40	33.32 1.83 -9.43	36.68 1.93 -11.83	34.15 1.73 -11.79	36.73 1.84 -13.98	38.78 1.81 -16.14	40.62 1.77 -19.22	42.30 2.28 -14.36	42.76 2.20 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.62 1.78 -9.66	31.49 1.75 -8.89	30.19 1.43 -9.89

NORTH__COUNTRY_ESR 323785	18.30 0.09 0.00	15.73 0.05 0.00	15.32 -0.12 0.00	12.13 -0.06 0.00	14.63 -0.15 0.00	15.30 -0.09 0.00	15.14 -0.22 0.00	16.73 -0.34 0.00	19.61 -0.46 0.00	19.88 -0.43 0.00	21.19 -0.39 0.00	21.53 -0.53 0.00	22.33 -0.60 0.00	20.17 -0.45 0.00	20.41 -0.50 0.00	20.43 -0.40 0.00	19.14 -0.49 0.00	25.04 -0.62 0.00	25.02 -0.56 0.00	22.68 -0.70 0.00	22.70 -0.58 0.00	21.64 -0.55 0.00	20.41 -0.44 0.00	18.45 -0.42 0.00
NPX_GEN_1385_PROXY 323591	28.74 1.58 -8.95	26.74 1.35 -9.71	22.65 1.21 -6.00	21.10 0.99 -7.91	20.70 1.17 -4.76	26.45 1.28 -9.78	28.30 1.21 -11.73	28.33 1.43 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.85 1.88 -13.40	33.32 1.83 -9.43	36.68 1.93 -11.83	34.15 1.73 -11.79	36.73 1.84 -13.98	38.78 1.81 -16.14	40.62 1.77 -19.22	42.30 2.28 -14.36	42.76 2.20 -14.99	36.74 2.01 -11.34	40.36 1.98 -15.10	33.62 1.78 -9.66	31.49 1.75 -8.89	30.19 1.43 -9.89
NPX_GEN_CSC 323557	28.55 1.40 -8.95	26.55 1.16 -9.71	22.53 1.08 -6.00	21.01 0.90 -7.91	20.60 1.06 -4.76	26.26 1.09 -9.78	28.18 1.09 -11.73	28.24 1.35 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.75 1.99 -11.83	34.22 1.79 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.43 2.41 -14.36	42.89 2.33 -14.99	36.88 2.15 -11.34	40.50 2.12 -15.10	33.71 1.86 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
NSINS_S_GLNS_FALLS 23858	20.24 1.60 -0.43	19.14 1.35 -2.11	18.13 1.39 -1.29	18.38 1.10 -5.09	17.75 1.30 -1.68	19.12 1.37 -2.35	35.22 1.40 -18.46	33.57 1.57 -14.93	36.60 1.50 -15.03	37.41 1.56 -15.55	37.57 1.75 -14.24	36.99 1.68 -13.26	38.80 1.74 -14.13	41.69 1.51 -19.55	42.91 1.46 -20.54	46.01 1.52 -23.66	56.13 1.45 -35.04	54.86 2.00 -27.20	51.55 1.97 -24.00	46.03 1.89 -20.75	42.28 1.91 -17.09	32.51 1.82 -8.50	25.43 2.02 -2.56	21.36 1.74 -0.76
NUCOR_STEEL__DRP 24197	18.43 0.18 -0.04	16.06 0.17 -0.21	15.77 0.20 -0.13	12.79 0.10 -0.50	15.10 0.16 -0.16	15.76 0.14 -0.23	16.09 0.15 -0.58	18.03 0.24 -0.72	20.70 0.24 -0.39	20.94 0.24 -0.39	22.21 0.30 -0.34	22.83 0.31 -0.46	23.72 0.28 -0.52	21.52 0.23 -0.66	21.89 0.21 -0.77	22.00 0.23 -0.94	21.26 0.24 -1.40	27.00 0.26 -1.08	26.61 0.26 -0.78	24.64 0.40 -0.85	24.31 0.33 -0.70	22.85 0.31 -0.35	21.16 0.21 -0.11	19.15 0.21 -0.07
NUMBER_THREE_WT_PWR 323818	18.64 0.42 -0.01	16.07 0.33 -0.06	15.82 0.34 -0.04	12.44 0.10 -0.15	14.96 0.13 -0.05	15.60 0.14 -0.07	15.63 0.18 -0.09	17.45 0.15 -0.22	20.21 0.14 0.00	20.37 0.06 0.00	21.62 0.04 0.00	22.06 0.00 0.00	22.88 -0.05 0.00	20.57 -0.06 0.00	20.83 -0.08 0.00	20.83 0.00 0.00	19.61 -0.02 0.00	25.76 0.10 0.00	25.71 0.13 0.00	23.60 0.21 0.00	23.70 0.42 0.00	22.63 0.44 0.00	21.31 0.46 0.00	19.30 0.41 -0.02
NYISO_LBMP_REFERENCE 24008	18.21 0.00 0.00	15.68 0.00 0.00	15.44 0.00 0.00	12.19 0.00 0.00	14.77 0.00 0.00	15.39 0.00 0.00	15.36 0.00 0.00	17.07 0.00 0.00	20.07 0.00 0.00	20.30 0.00 0.00	21.58 0.00 0.00	22.06 0.00 0.00	22.92 0.00 0.00	20.63 0.00 0.00	20.91 0.00 0.00	20.83 0.00 0.00	19.63 0.00 0.00	25.66 0.00 0.00	25.58 0.00 0.00	23.39 0.00 0.00	23.28 0.00 0.00	22.19 0.00 0.00	20.85 0.00 0.00	18.87 0.00 0.00
NYPA_BRENTWD__GT 24164	28.85 1.69 -8.95	26.83 1.44 -9.71	22.78 1.33 -6.00	21.18 1.07 -7.91	20.82 1.28 -4.76	26.52 1.35 -9.78	28.42 1.34 -11.73	28.48 1.59 -9.82	31.03 2.11 -8.86	33.30 2.15 -10.84	37.11 2.14 -13.40	33.67 2.18 -9.43	37.04 2.29 -11.83	34.48 2.06 -11.79	37.06 2.17 -13.98	39.11 2.15 -16.14	40.96 2.10 -19.22	42.77 2.75 -14.36	43.20 2.64 -14.99	37.16 2.43 -11.34	40.78 2.40 -15.10	34.00 2.15 -9.66	31.80 2.06 -8.89	30.42 1.66 -9.89
NYPA_GOWANUS__GT5 24156	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NYPA_GOWANUS__GT6 24157	19.94 1.38 -0.35	18.51 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.12 1.03 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.92 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.31 2.01 -6.39	30.56 1.90 -7.84	33.12 1.88 -11.60	37.08 2.41 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.12 1.98 -5.86	26.90 1.80 -2.92	23.56 1.84 -0.88	20.80 1.34 -0.60
NYPA_HARLEM_RVR_GT1 24160	19.96 1.40 -0.35	18.53 1.19 -1.66	17.57 1.11 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.89 1.57 -3.25	25.09 1.56 -3.22	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	33.01 1.77 -11.60	36.93 2.26 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.79 1.69 -2.92	23.56 1.84 -0.88	20.78 1.32 -0.60
NYPA_HARLEM_RVR_GT2 24161	19.96 1.40 -0.35	18.53 1.19 -1.66	17.57 1.11 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.89 1.57 -3.25	25.09 1.56 -3.22	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	33.01 1.77 -11.60	36.93 2.26 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.79 1.69 -2.92	23.56 1.84 -0.88	20.78 1.32 -0.60
NYPA_KENT__GT 24152	19.92 1.37 -0.35	18.47 1.14 -1.65	17.53 1.08 -1.01	17.04 0.88 -3.97	17.12 1.03 -1.31	18.22 1.00 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.89 2.03 -3.80	29.32 2.09 -4.31	28.02 1.88 -5.52	29.29 1.99 -6.39	30.54 1.88 -7.84	33.08 1.84 -11.60	37.03 2.36 -9.01	34.23 2.20 -6.45	32.49 1.99 -7.12	31.10 1.96 -5.86	26.88 1.78 -2.92	23.52 1.79 -0.88	20.78 1.32 -0.60
NYPA_POUCH1__GT 24155	19.92 1.37 -0.35	18.47 1.14 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.09 1.01 -1.31	18.18 0.95 -1.83	21.01 0.95 -4.70	24.03 1.16 -5.79	24.93 1.61 -3.26	25.14 1.60 -3.24	26.14 1.77 -2.79	27.83 1.96 -3.81	29.25 2.02 -4.31	27.98 1.84 -5.52	29.23 1.92 -6.39	30.50 1.83 -7.84	33.07 1.83 -11.61	37.03 2.36 -9.01	34.23 2.20 -6.46	32.47 1.96 -7.12	31.08 1.93 -5.87	26.86 1.75 -2.92	23.52 1.79 -0.88	20.76 1.30 -0.60
NYPA_VERNON__GT2 24162	19.90 1.35 -0.35	18.46 1.13 -1.65	17.52 1.06 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.22 1.00 -1.83	21.07 1.01 -4.70	24.11 1.25 -5.79	25.01 1.69 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.87 2.01 -3.80	29.30 2.06 -4.31	28.02 1.88 -5.52	29.26 1.97 -6.39	30.52 1.85 -7.84	33.06 1.83 -11.60	37.00 2.33 -9.01	34.20 2.17 -6.45	32.47 1.96 -7.12	31.07 1.93 -5.86	26.86 1.75 -2.92	23.48 1.75 -0.88	20.76 1.30 -0.60

NYPA_VERNON___GT3 24163	19.90 1.35 -0.35	18.46 1.13 -1.65	17.52 1.06 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.22 1.00 -1.83	21.07 1.01 -4.70	24.11 1.25 -5.79	25.01 1.69 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.87 2.01 -3.80	29.30 2.06 -4.31	28.02 1.88 -5.52	29.26 1.97 -6.39	30.52 1.85 -7.84	33.06 1.83 -11.60	37.00 2.33 -9.01	34.20 2.17 -6.45	32.47 1.96 -7.12	31.07 1.93 -5.86	26.86 1.75 -2.92	23.48 1.75 -0.88	20.76 1.30 -0.60
NYPA___ASTORIA_CC1 323568	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.18 2.15 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
NYPA___ASTORIA_CC2 323569	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.18 2.15 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.48 1.75 -0.88	20.74 1.28 -0.60
NYPA___HOLTSVILL 23794	28.66 1.51 -8.95	26.66 1.27 -9.71	22.61 1.16 -6.00	21.06 0.95 -7.91	20.66 1.12 -4.76	26.37 1.20 -9.78	28.25 1.17 -11.73	28.31 1.42 -9.82	30.83 1.91 -8.86	33.07 1.93 -10.84	36.85 1.88 -13.40	33.45 1.96 -9.43	36.82 2.06 -11.83	34.28 1.86 -11.79	36.85 1.97 -13.98	38.91 1.94 -16.14	40.74 1.88 -19.22	42.51 2.49 -14.36	42.94 2.38 -14.99	36.92 2.20 -11.34	40.55 2.17 -15.10	33.78 1.93 -9.66	31.59 1.85 -8.89	30.23 1.47 -9.89
NYPA___HELLGATE_GT1 24158	19.96 1.40 -0.35	18.53 1.19 -1.66	17.57 1.11 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.89 1.57 -3.25	25.09 1.56 -3.22	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	33.01 1.77 -11.60	36.93 2.26 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.79 1.69 -2.92	23.56 1.84 -0.88	20.78 1.32 -0.60
NYPA___HELLGATE_GT2 24159	19.96 1.40 -0.35	18.53 1.19 -1.66	17.57 1.11 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.89 1.57 -3.25	25.09 1.56 -3.22	26.07 1.70 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	33.01 1.77 -11.60	36.93 2.26 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.79 1.69 -2.92	23.56 1.84 -0.88	20.78 1.32 -0.60
NYS_BARGE___HYD 23848	17.40 -0.86 -0.05	15.18 -0.75 -0.25	15.09 -0.51 -0.15	12.50 -0.30 -0.61	14.59 -0.38 -0.20	15.12 -0.55 -0.28	15.43 -0.64 -0.71	17.08 -0.87 -0.88	19.50 -1.06 -0.50	20.11 -0.69 -0.49	21.29 -0.71 -0.43	21.77 -0.86 -0.57	22.75 -0.82 -0.65	20.45 -1.01 -0.83	20.75 -1.13 -0.96	20.87 -1.15 -1.18	20.42 -0.96 -1.75	24.91 -1.54 -0.79	24.24 -1.07 0.27	23.71 -0.75 -1.07	23.30 -0.86 -0.88	21.97 -0.67 -0.44	20.42 -0.56 -0.13	18.31 -0.64 -0.09
OAK ORCHARD___HYD 24046	18.00 -0.25 -0.04	15.67 -0.22 -0.21	15.46 -0.11 -0.13	12.66 -0.04 -0.50	14.89 -0.04 -0.17	15.47 -0.15 -0.23	15.72 -0.22 -0.58	17.56 -0.24 -0.73	20.04 -0.42 -0.39	20.51 -0.18 -0.39	21.76 -0.15 -0.34	22.25 -0.26 -0.46	23.21 -0.23 -0.52	20.98 -0.31 -0.66	21.30 -0.38 -0.77	21.37 -0.40 -0.94	20.73 -0.29 -1.39	26.15 -0.59 -1.08	25.94 -0.41 -0.77	24.12 -0.12 -0.85	23.77 -0.21 -0.70	22.39 -0.15 -0.35	20.79 -0.17 -0.11	18.83 -0.11 -0.08
OAKDALE___35_KV_LOAD 356122	18.33 0.02 -0.11	16.20 0.00 -0.53	15.83 0.06 -0.32	13.51 0.05 -1.27	15.26 0.07 -0.42	15.98 0.00 -0.58	16.98 0.02 -1.60	18.97 0.03 -1.86	21.35 0.10 -1.18	21.66 0.18 -1.17	22.80 0.22 -1.01	23.64 0.22 -1.36	24.72 0.25 -1.54	22.78 0.19 -1.97	23.36 0.17 -2.28	23.80 0.17 -2.80	23.97 0.20 -4.14	29.08 0.21 -3.22	28.07 0.18 -2.31	26.27 0.35 -2.54	25.65 0.28 -2.09	23.52 0.29 -1.04	21.33 0.17 -0.31	19.17 0.11 -0.19
OCC_CHEM___DRP 24175	17.26 -1.00 -0.05	15.11 -0.83 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.75	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.29 -1.48 -0.47	20.45 -1.53 -0.40	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.70 -1.67 -1.74	24.38 -2.05 -0.77	23.84 -1.38 0.36	22.81 -1.64 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.44 -1.52 -0.11	17.62 -1.32 -0.07
OH_GEN_PROXY 24063	17.31 -0.95 -0.05	15.12 -0.82 -0.26	15.03 -0.57 -0.16	12.46 -0.35 -0.62	14.53 -0.44 -0.20	15.00 -0.68 -0.28	15.30 -0.78 -0.73	16.98 -0.99 -0.90	19.34 -1.22 -0.50	19.93 -0.87 -0.50	21.10 -0.91 -0.43	21.58 -1.06 -0.58	22.55 -1.03 -0.66	20.31 -1.15 -0.84	20.63 -1.25 -0.97	20.75 -1.27 -1.19	20.30 -1.10 -1.77	24.77 -1.75 -0.86	23.88 -1.51 0.19	23.53 -0.94 -1.08	23.10 -1.07 -0.89	21.75 -0.89 -0.44	20.25 -0.73 -0.13	18.20 -0.76 -0.09
OLIN_CORP_DRP 24177	17.15 -1.11 -0.05	14.98 -0.96 -0.26	14.89 -0.71 -0.16	12.37 -0.45 -0.63	14.40 -0.58 -0.21	14.84 -0.85 -0.29	15.23 -0.88 -0.75	16.81 -1.18 -0.92	19.14 -1.44 -0.52	19.74 -1.08 -0.51	20.87 -1.14 -0.44	21.36 -1.30 -0.60	22.32 -1.28 -0.68	20.05 -1.44 -0.87	20.37 -1.55 -1.00	20.48 -1.58 -1.23	20.10 -1.35 -1.82	24.34 -2.10 -0.79	23.70 -1.51 0.37	23.26 -1.24 -1.12	22.85 -1.35 -0.92	21.54 -1.11 -0.46	19.88 -1.10 -0.14	18.00 -0.96 -0.09
OLIN_CORP_DSASP 323712	17.26 -1.00 -0.05	15.09 -0.85 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.74	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.30 -1.48 -0.48	20.43 -1.55 -0.41	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.68 -1.69 -1.74	24.38 -2.05 -0.77	23.83 -1.38 0.36	22.78 -1.66 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.61 -1.35 -0.11	17.62 -1.32 -0.07
ONEIDA_HERK_LFGE 323681	18.58 0.36 -0.01	16.03 0.30 -0.06	15.82 0.34 -0.03	12.50 0.17 -0.13	15.05 0.24 -0.04	15.67 0.22 -0.06	15.71 0.28 -0.08	17.58 0.31 -0.20	20.43 0.36 0.00	20.61 0.31 0.00	21.88 0.30 0.00	22.37 0.31 0.00	23.22 0.30 0.00	20.88 0.25 0.00	21.16 0.25 0.00	21.14 0.31 0.00	19.93 0.29 0.00	26.10 0.44 0.00	25.99 0.41 0.00	23.85 0.47 0.00	23.84 0.56 0.00	22.72 0.53 0.00	21.31 0.46 0.00	19.30 0.41 -0.02
ONEIDA___115KV_TB4 55905	18.63 0.40 -0.02	16.11 0.33 -0.10	15.89 0.39 -0.06	12.67 0.23 -0.24	15.16 0.31 -0.08	15.78 0.28 -0.11	15.86 0.37 -0.14	17.83 0.41 -0.35	20.55 0.48 0.00	20.77 0.47 0.00	22.05 0.47 0.00	22.54 0.49 0.00	23.43 0.50 0.00	21.04 0.41 0.00	21.35 0.44 0.00	21.31 0.48 0.00	20.10 0.47 0.00	26.30 0.64 0.00	26.19 0.61 0.00	24.06 0.68 0.00	23.98 0.70 0.00	22.81 0.62 0.00	21.33 0.48 0.00	19.35 0.45 -0.04

ONONDAGA_REF_OCCRA 23987	18.21 -0.04 -0.04	15.82 -0.05 -0.19	15.54 -0.02 -0.11	12.62 -0.02 -0.45	14.89 -0.03 -0.15	15.54 -0.06 -0.21	15.83 -0.05 -0.51	17.72 0.00 -0.65	20.37 -0.04 -0.34	20.62 -0.02 -0.34	21.87 0.00 -0.29	22.46 0.00 -0.40	23.38 0.00 -0.45	21.18 -0.02 -0.58	21.54 -0.04 -0.67	21.61 -0.04 -0.82	20.85 0.00 -1.22	26.53 -0.08 -0.94	26.18 -0.08 -0.68	24.18 0.05 -0.74	23.89 0.00 -0.61	22.50 0.00 -0.30	20.88 -0.06 -0.09	18.93 0.00 -0.07
ONONDAGA___COGEN 23986	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.31	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.51 -0.02 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.47 0.00 -0.28	20.89 -0.04 -0.08	18.95 0.02 -0.06
ONTARIO___LFGE 23819	18.18 -0.07 -0.05	15.86 -0.06 -0.24	15.62 0.03 -0.15	12.79 0.01 -0.59	15.00 0.03 -0.19	15.60 -0.06 -0.27	16.03 -0.02 -0.69	17.91 0.02 -0.82	20.54 0.00 -0.48	20.90 0.12 -0.47	22.18 0.19 -0.41	22.79 0.18 -0.55	23.76 0.21 -0.63	21.53 0.10 -0.80	21.90 0.06 -0.93	22.03 0.06 -1.14	21.46 0.14 -1.68	27.42 0.05 -1.71	27.54 0.13 -1.83	24.81 0.40 -1.03	24.41 0.28 -0.85	22.86 0.24 -0.42	21.10 0.13 -0.13	19.03 0.08 -0.09
ORANGEVILLE_WT_PWR 323706	17.58 -0.69 -0.06	15.34 -0.64 -0.31	15.14 -0.49 -0.19	12.62 -0.32 -0.75	14.63 -0.38 -0.25	15.15 -0.58 -0.34	15.58 -0.68 -0.89	17.31 -0.85 -1.09	19.79 -0.90 -0.63	20.34 -0.59 -0.62	21.51 -0.60 -0.54	22.12 -0.66 -0.72	23.17 -0.57 -0.82	20.94 -0.74 -1.05	21.29 -0.84 -1.22	21.41 -0.92 -1.49	21.04 -0.81 -2.21	23.55 -1.26 0.85	19.91 -1.18 4.49	24.15 -0.58 -1.35	23.70 -0.70 -1.11	22.24 -0.51 -0.55	20.56 -0.46 -0.17	18.39 -0.58 -0.11
ORANGEVILLE___ESR 323794	17.58 -0.69 -0.06	15.34 -0.64 -0.31	15.14 -0.49 -0.19	12.62 -0.32 -0.75	14.63 -0.38 -0.25	15.15 -0.58 -0.34	15.58 -0.68 -0.89	17.31 -0.85 -1.09	19.79 -0.90 -0.63	20.34 -0.59 -0.62	21.51 -0.60 -0.54	22.12 -0.66 -0.72	23.17 -0.57 -0.82	20.94 -0.74 -1.05	21.29 -0.84 -1.22	21.41 -0.92 -1.49	21.04 -0.81 -2.21	23.55 -1.26 0.85	19.91 -1.18 4.49	24.15 -0.58 -1.35	23.70 -0.70 -1.11	22.24 -0.51 -0.55	20.56 -0.46 -0.17	18.39 -0.58 -0.11
OSWEGATCHIE___HYD 24044	18.42 0.20 -0.01	15.88 0.16 -0.05	15.60 0.12 -0.03	12.32 0.01 -0.11	14.84 0.03 -0.04	15.52 0.08 -0.05	15.53 0.11 -0.06	17.30 0.07 -0.16	20.11 0.04 0.00	20.28 -0.02 0.00	21.55 -0.02 0.00	21.99 -0.07 0.00	22.83 -0.09 0.00	20.55 -0.08 0.00	20.79 -0.12 0.00	20.73 -0.10 0.00	19.40 -0.23 0.00	25.45 -0.21 0.00	25.40 -0.18 0.00	23.22 -0.16 0.00	23.42 0.14 0.00	22.39 0.20 0.00	21.04 0.19 0.00	19.03 0.15 -0.02
OSWEGO___5 23606	17.92 -0.31 -0.03	15.54 -0.27 -0.12	15.29 -0.23 -0.08	12.30 -0.20 -0.30	14.65 -0.22 -0.10	15.25 -0.28 -0.14	15.27 -0.26 -0.17	17.23 -0.27 -0.43	19.68 -0.38 0.00	19.92 -0.39 0.00	21.17 -0.41 0.00	21.62 -0.44 0.00	22.47 -0.46 0.00	20.21 -0.41 0.00	20.47 -0.44 0.00	20.39 -0.44 0.00	19.24 -0.39 0.00	25.09 -0.56 0.00	25.04 -0.54 0.00	22.96 -0.42 0.00	22.84 -0.44 0.00	21.75 -0.44 0.00	20.43 -0.42 0.00	18.63 -0.28 -0.04
OSWEGO___6 23613	17.92 -0.31 -0.03	15.54 -0.27 -0.12	15.29 -0.23 -0.08	12.30 -0.20 -0.30	14.65 -0.22 -0.10	15.25 -0.28 -0.14	15.27 -0.26 -0.17	17.23 -0.27 -0.43	19.68 -0.38 0.00	19.92 -0.39 0.00	21.17 -0.41 0.00	21.62 -0.44 0.00	22.47 -0.46 0.00	20.21 -0.41 0.00	20.47 -0.44 0.00	20.39 -0.44 0.00	19.24 -0.39 0.00	25.09 -0.56 0.00	25.04 -0.54 0.00	22.96 -0.42 0.00	22.84 -0.44 0.00	21.75 -0.44 0.00	20.43 -0.42 0.00	18.63 -0.28 -0.04
OUTOKUMPU-AB___DRP 24206	17.53 -0.73 -0.05	15.31 -0.63 -0.26	15.22 -0.39 -0.16	12.63 -0.20 -0.63	14.73 -0.25 -0.21	15.19 -0.49 -0.29	15.38 -0.74 -0.75	17.06 -0.94 -0.93	19.50 -1.10 -0.54	20.11 -0.73 -0.53	21.28 -0.76 -0.46	21.80 -0.88 -0.62	22.76 -0.87 -0.70	20.49 -1.03 -0.90	20.82 -1.13 -1.04	20.92 -1.19 -1.27	20.55 -0.96 -1.88	25.04 -1.39 -0.76	24.21 -0.95 0.43	23.74 -0.80 -1.15	23.35 -0.88 -0.95	21.96 -0.71 -0.48	20.20 -0.79 -0.14	18.22 -0.74 -0.09
OXBOW____ 24026	17.44 -0.82 -0.05	15.23 -0.71 -0.26	15.16 -0.45 -0.16	12.58 -0.24 -0.63	14.67 -0.31 -0.21	15.11 -0.57 -0.29	15.15 -0.95 -0.75	16.80 -1.18 -0.90	19.20 -1.41 -0.54	19.78 -1.06 -0.53	20.94 -1.10 -0.46	21.44 -1.23 -0.62	22.39 -1.24 -0.70	20.18 -1.34 -0.89	20.48 -1.46 -1.03	20.59 -1.50 -1.26	20.20 -1.30 -1.87	24.79 -1.64 -0.77	24.08 -1.10 0.39	23.36 -1.17 -1.15	22.97 -1.26 -0.95	21.60 -1.06 -0.48	20.04 -0.94 -0.13	17.96 -0.98 -0.08
OXY_CHEM_DSASP 323612	17.26 -1.00 -0.05	15.11 -0.83 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.75	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.29 -1.48 -0.47	20.45 -1.53 -0.40	20.92 -1.70 -0.56	21.86 -1.77 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.70 -1.67 -1.74	24.38 -2.05 -0.77	23.84 -1.38 0.36	22.81 -1.64 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.44 -1.52 -0.11	17.62 -1.32 -0.07
OZONE_PARK_ESR 323760	19.93 1.38 -0.34	18.49 1.16 -1.65	17.56 1.11 -1.01	17.07 0.90 -3.97	17.15 1.06 -1.31	18.30 1.08 -1.83	21.17 1.11 -4.70	24.21 1.35 -5.79	25.15 1.83 -3.26	25.39 1.85 -3.23	26.33 1.96 -2.79	28.00 2.14 -3.80	29.43 2.20 -4.31	28.13 1.98 -5.52	29.37 2.07 -6.39	30.65 1.98 -7.84	33.16 1.92 -11.60	37.13 2.46 -9.01	34.36 2.33 -6.45	32.63 2.13 -7.12	31.24 2.10 -5.86	27.04 1.93 -2.92	23.56 1.83 -0.88	20.88 1.41 -0.60
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	17.26 -1.00 -0.05	15.11 -0.83 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.75	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.29 -1.48 -0.47	20.45 -1.53 -0.40	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.70 -1.67 -1.74	24.38 -2.05 -0.77	23.84 -1.38 0.36	22.81 -1.64 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.44 -1.52 -0.11	17.62 -1.32 -0.07
PACKARD__115KV_DUPONT_184 80571	17.26 -1.00 -0.05	15.11 -0.83 -0.26	15.03 -0.57 -0.16	12.48 -0.34 -0.62	14.55 -0.43 -0.21	14.97 -0.71 -0.29	14.87 -1.23 -0.75	16.44 -1.50 -0.87	18.74 -1.81 -0.48	19.29 -1.48 -0.47	20.45 -1.53 -0.40	20.92 -1.70 -0.56	21.86 -1.70 -0.63	19.67 -1.77 -0.82	19.98 -1.88 -0.95	20.08 -1.92 -1.17	19.70 -1.67 -1.74	24.38 -2.05 -0.77	23.84 -1.38 0.36	22.81 -1.64 -1.06	22.40 -1.75 -0.87	21.08 -1.53 -0.42	19.44 -1.52 -0.11	17.62 -1.32 -0.07
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	19.96 1.40 -0.35	18.50 1.18 -1.65	17.56 1.11 -1.01	17.10 0.93 -3.98	17.18 1.09 -1.32	18.24 1.02 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.89 1.57 -3.26	25.12 1.58 -3.23	26.09 1.73 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.05 2.02 -6.45	32.35 1.85 -7.12	30.98 1.84 -5.86	26.84 1.73 -2.92	23.54 1.81 -0.88	20.78 1.32 -0.60

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	20.08 1.53 -0.35	18.63 1.30 -1.65	17.78 1.33 -1.01	17.25 1.07 -3.98	17.38 1.29 -1.32	18.38 1.15 -1.83	21.27 1.21 -4.70	24.33 1.47 -5.79	25.21 1.89 -3.26	25.41 1.87 -3.23	26.39 2.03 -2.79	28.14 2.27 -3.80	29.57 2.34 -4.31	28.25 2.10 -5.52	29.47 2.17 -6.39	30.73 2.06 -7.84	33.24 2.00 -11.60	37.23 2.57 -9.01	34.44 2.40 -6.45	32.68 2.17 -7.12	31.31 2.16 -5.86	27.13 2.02 -2.92	23.81 2.08 -0.88	21.01 1.55 -0.60
PATROON__115KV_TB1 80586	19.23 0.60 -0.42	18.26 0.52 -2.06	17.25 0.54 -1.26	17.58 0.41 -4.97	16.96 0.55 -1.64	18.18 0.51 -2.28	14.74 0.52 1.14	15.92 0.56 1.72	22.32 0.72 -1.53	21.81 0.73 -0.78	22.01 0.78 0.34	29.74 0.86 -6.82	32.48 0.92 -8.64	30.98 0.80 -9.55	34.99 0.84 -13.24	39.48 0.81 -17.84	46.80 0.75 -26.42	47.09 0.92 -20.51	36.46 0.90 -9.98	40.53 0.87 -16.28	37.53 0.84 -13.41	29.68 0.82 -6.67	23.59 0.73 -2.01	20.23 0.62 -0.75
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	17.23 -1.04 -0.06	15.03 -0.94 -0.29	14.88 -0.74 -0.18	12.39 -0.50 -0.69	14.40 -0.61 -0.23	14.90 -0.82 -0.32	15.31 -0.88 -0.83	17.04 -1.04 -1.01	19.76 -0.88 -0.58	20.35 -0.53 -0.57	21.55 -0.52 -0.49	22.11 -0.62 -0.67	23.11 -0.57 -0.76	20.85 -0.74 -0.97	21.22 -0.82 -1.12	21.33 -0.87 -1.38	20.98 -0.69 -2.04	25.40 -1.15 -0.90	23.86 -1.36 0.36	24.16 -0.47 -1.25	23.70 -0.61 -1.03	22.26 -0.44 -0.51	20.44 -0.56 -0.15	18.12 -0.85 -0.10
PAWLING_115_KV_BK3_REV_LBMP_H 345028	19.75 1.20 -0.34	18.37 1.02 -1.67	17.45 0.99 -1.02	16.98 0.77 -4.02	16.99 0.89 -1.33	18.17 0.92 -1.85	21.05 0.92 -4.77	24.01 1.08 -5.86	24.86 1.48 -3.31	25.07 1.48 -3.28	25.98 1.58 -2.83	27.60 1.68 -3.86	29.13 1.83 -4.37	27.84 1.61 -5.60	29.09 1.69 -6.49	30.39 1.60 -7.96	32.95 1.53 -11.79	36.78 1.98 -9.15	34.02 1.89 -6.55	32.32 1.71 -7.23	30.93 1.70 -5.95	26.75 1.60 -2.96	23.16 1.42 -0.89	20.62 1.15 -0.60
PEEKSKILL____ 23653	19.64 1.09 -0.34	18.24 0.92 -1.63	17.32 0.88 -1.00	16.83 0.71 -3.93	16.90 0.83 -1.30	18.05 0.85 -1.81	20.87 0.86 -4.65	23.83 1.02 -5.73	24.69 1.40 -3.22	24.92 1.42 -3.20	25.87 1.53 -2.76	27.48 1.66 -3.77	28.91 1.72 -4.26	27.64 1.55 -5.46	28.87 1.63 -6.32	30.13 1.54 -7.76	32.61 1.49 -11.49	36.53 1.95 -8.92	33.81 1.84 -6.39	32.09 1.66 -7.04	30.71 1.63 -5.80	26.59 1.51 -2.89	23.14 1.42 -0.87	20.57 1.11 -0.59
PGE MADISON__WINDPWR 24146	19.44 1.13 -0.10	17.09 0.91 -0.50	16.68 0.93 -0.31	13.99 0.59 -1.21	15.95 0.78 -0.40	16.73 0.78 -0.56	17.98 0.92 -1.70	19.84 1.01 -1.76	22.59 1.16 -1.36	22.73 1.08 -1.35	23.86 1.12 -1.16	24.83 1.21 -1.56	25.90 1.21 -1.76	23.94 1.05 -2.26	24.61 1.09 -2.61	25.27 1.23 -3.21	25.64 1.26 -4.75	31.23 1.75 -3.82	30.26 1.74 -2.95	28.25 1.96 -2.90	27.65 1.98 -2.39	25.13 1.75 -1.19	22.58 1.38 -0.36	20.22 1.17 -0.18
PIERCEFIELD__HYD 23852	18.19 -0.02 0.00	15.66 -0.02 0.00	15.35 -0.09 0.00	12.12 -0.07 0.00	14.67 -0.10 0.00	15.38 -0.02 0.00	15.36 0.00 0.00	17.04 -0.03 0.00	19.99 -0.08 0.00	20.18 -0.12 0.00	21.49 -0.09 0.00	21.90 -0.15 0.00	22.74 -0.18 0.00	20.50 -0.12 0.00	20.75 -0.17 0.00	20.66 -0.17 0.00	19.20 -0.43 0.00	25.15 -0.51 0.00	25.09 -0.49 0.00	22.80 -0.58 0.00	23.09 -0.19 0.00	22.06 -0.13 0.00	20.74 -0.10 0.00	18.77 -0.09 0.00
PINELAWN_CC_1 323563	28.77 1.62 -8.95	26.76 1.36 -9.71	22.72 1.27 -6.00	21.13 1.02 -7.91	20.75 1.21 -4.76	26.46 1.29 -9.78	28.35 1.26 -11.73	28.38 1.48 -9.82	30.87 1.95 -8.86	33.11 1.97 -10.84	36.98 2.01 -13.40	33.58 2.10 -9.43	36.93 2.18 -11.83	34.38 1.96 -11.79	36.96 2.07 -13.98	39.03 2.06 -16.14	40.86 2.00 -19.22	42.64 2.62 -14.36	43.10 2.53 -14.99	37.02 2.29 -11.34	40.67 2.28 -15.10	33.91 2.06 -9.66	31.70 1.96 -8.89	30.34 1.58 -9.89
PJM_GEN_HTP_PROXY 323702	19.79 1.24 -0.34	18.38 1.05 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.97 1.65 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
PJM_GEN_KEystone 24065	18.51 0.09 -0.21	16.76 0.06 -1.02	15.90 0.11 -0.35	14.78 0.13 -2.45	15.73 0.15 -0.81	16.60 0.08 -1.13	18.33 0.06 -2.91	20.74 0.09 -3.58	22.34 0.26 -2.02	22.74 0.43 -2.00	23.78 0.47 -1.73	24.90 0.48 -2.36	26.12 0.53 -2.67	24.46 0.41 -3.42	25.31 0.44 -3.96	26.08 0.39 -4.85	27.23 0.41 -7.19	31.60 0.49 -5.46	29.73 0.43 -3.72	28.40 0.61 -4.41	27.40 0.49 -3.63	24.51 0.51 -1.81	21.87 0.48 -0.54	19.48 0.24 -0.37
PJM_GEN_NEPTUNE_PROXY 323594	23.65 1.38 -4.06	21.99 1.18 -5.13	19.71 1.10 -3.17	18.76 0.89 -5.68	18.64 1.06 -2.80	21.77 1.11 -5.26	24.19 1.09 -7.74	25.87 1.26 -7.53	27.45 1.70 -5.68	28.55 1.72 -6.52	30.69 1.75 -7.37	30.15 1.85 -6.23	32.41 1.93 -7.56	30.59 1.73 -8.23	32.40 1.82 -9.67	34.03 1.77 -11.42	36.26 1.73 -14.90	39.21 2.23 -11.32	37.84 2.12 -10.14	34.27 1.94 -8.94	35.05 1.91 -9.86	29.75 1.73 -5.83	26.90 1.71 -4.34	24.85 1.38 -4.61
PJM_GEN_VFT_PROXY 323633	19.69 1.15 -0.34	18.30 0.97 -1.65	17.38 0.93 -1.01	16.92 0.76 -3.97	16.98 0.90 -1.31	18.12 0.89 -1.83	21.00 0.94 -4.70	24.01 1.14 -5.79	24.91 1.58 -3.25	25.14 1.60 -3.23	26.07 1.70 -2.79	27.74 1.87 -3.80	29.11 1.88 -4.31	27.86 1.71 -5.52	29.12 1.82 -6.39	30.38 1.71 -7.84	32.91 1.67 -11.60	36.80 2.13 -9.01	34.03 2.00 -6.45	32.30 1.80 -7.12	30.91 1.77 -5.86	26.75 1.64 -2.92	23.31 1.58 -0.88	20.65 1.19 -0.60
PLATSBRG_115KV_PMLD1 355749	18.52 0.31 0.00	15.93 0.25 0.00	15.48 0.03 0.00	12.27 0.07 0.00	14.77 0.00 0.00	15.49 0.09 0.00	15.30 -0.06 0.00	16.90 -0.17 0.00	19.81 -0.26 0.00	20.08 -0.22 0.00	21.40 -0.17 0.00	21.75 -0.31 0.00	22.56 -0.37 0.00	20.40 -0.23 0.00	20.64 -0.27 0.00	20.69 -0.15 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.30 -0.28 0.00	22.92 -0.47 0.00	22.95 -0.33 0.00	21.75 -0.44 0.00	20.58 -0.27 0.00	18.62 -0.25 0.00
PLEASANTVLY__LBMP 24000	19.58 1.02 -0.35	18.27 0.88 -1.72	17.33 0.83 -1.05	17.00 0.67 -4.13	16.93 0.80 -1.36	18.11 0.82 -1.91	21.06 0.80 -4.90	24.02 0.92 -6.03	24.75 1.28 -3.40	24.98 1.30 -3.38	25.85 1.36 -2.91	27.51 1.48 -3.97	28.96 1.54 -4.50	27.77 1.38 -5.76	29.02 1.44 -6.67	30.39 1.37 -8.18	33.07 1.32 -12.12	36.76 1.69 -9.41	33.95 1.64 -6.74	32.31 1.50 -7.43	30.87 1.47 -6.12	26.61 1.38 -3.04	23.06 1.29 -0.92	20.54 1.06 -0.62
PLSNTVLE_13_KV_13.8KVDIST 80602	19.71 1.17 -0.34	18.33 0.99 -1.66	17.39 0.93 -1.02	16.95 0.76 -4.00	16.99 0.90 -1.32	18.16 0.92 -1.84	21.00 0.91 -4.74	24.00 1.09 -5.83	24.83 1.48 -3.28	25.06 1.50 -3.26	25.98 1.60 -2.81	27.61 1.72 -3.83	29.07 1.81 -4.34	27.81 1.63 -5.56	29.04 1.69 -6.43	30.33 1.60 -7.89	32.89 1.57 -11.69	36.76 2.03 -9.07	34.00 1.92 -6.50	32.31 1.75 -7.17	30.91 1.72 -5.90	26.73 1.60 -2.94	23.21 1.48 -0.88	20.65 1.19 -0.60

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	19.71 1.17 -0.34	18.33 0.99 -1.66	17.39 0.93 -1.02	16.95 0.76 -4.00	16.99 0.90 -1.32	18.16 0.92 -1.84	21.00 0.91 -4.74	24.00 1.09 -5.83	24.83 1.48 -3.28	25.06 1.50 -3.26	25.98 1.60 -2.81	27.61 1.72 -3.83	29.07 1.81 -4.34	27.81 1.63 -5.56	29.04 1.69 -6.43	30.33 1.60 -7.89	32.89 1.57 -11.69	36.76 2.03 -9.07	34.00 1.92 -6.50	32.31 1.75 -7.17	30.91 1.72 -5.90	26.73 1.60 -2.94	23.21 1.48 -0.88	20.65 1.19 -0.60
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	19.65 1.09 -0.35	18.29 0.93 -1.69	17.36 0.88 -1.03	16.94 0.68 -4.06	16.93 0.81 -1.34	18.10 0.83 -1.87	21.03 0.81 -4.85	23.92 0.92 -5.92	24.75 1.28 -3.40	25.00 1.32 -3.38	25.87 1.38 -2.91	27.49 1.46 -3.97	28.94 1.51 -4.50	27.79 1.40 -5.76	29.09 1.51 -6.67	30.43 1.42 -8.18	33.13 1.37 -12.12	36.81 1.74 -9.41	34.00 1.69 -6.74	32.31 1.50 -7.43	30.87 1.47 -6.12	26.65 1.42 -3.04	23.06 1.29 -0.92	20.55 1.08 -0.61
POLETTI____ 23519	19.77 1.22 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.18 0.95 -1.83	21.03 0.97 -4.70	24.04 1.18 -5.79	24.93 1.61 -3.26	25.16 1.62 -3.23	26.11 1.75 -2.79	27.76 1.90 -3.80	29.18 1.95 -4.31	27.90 1.75 -5.52	29.12 1.82 -6.39	30.40 1.73 -7.84	32.93 1.69 -11.60	36.82 2.16 -9.01	34.05 2.02 -6.45	32.35 1.85 -7.12	30.96 1.82 -5.86	26.79 1.69 -2.92	23.33 1.61 -0.88	20.69 1.23 -0.60
PORT_JEFF_3 23555	28.72 1.57 -8.95	26.71 1.32 -9.71	22.65 1.21 -6.00	21.08 0.98 -7.91	20.70 1.17 -4.76	26.40 1.23 -9.78	28.30 1.21 -11.73	28.36 1.47 -9.82	30.89 1.97 -8.86	33.14 1.99 -10.84	36.94 1.96 -13.40	33.54 2.05 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.94 2.05 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.59 2.57 -14.36	43.02 2.46 -14.99	37.02 2.29 -11.34	40.64 2.26 -15.10	33.87 2.02 -9.66	31.66 1.92 -8.89	30.28 1.53 -9.89
PORT_JEFF_4 23616	28.72 1.57 -8.95	26.71 1.32 -9.71	22.65 1.21 -6.00	21.08 0.98 -7.91	20.70 1.17 -4.76	26.40 1.23 -9.78	28.30 1.21 -11.73	28.36 1.47 -9.82	30.89 1.97 -8.86	33.14 1.99 -10.84	36.94 1.96 -13.40	33.54 2.05 -9.43	36.91 2.15 -11.83	34.36 1.94 -11.79	36.94 2.05 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.59 2.57 -14.36	43.02 2.46 -14.99	37.02 2.29 -11.34	40.64 2.26 -15.10	33.87 2.02 -9.66	31.66 1.92 -8.89	30.28 1.53 -9.89
PORT_JEFF_IC 23713	28.76 1.60 -8.95	26.74 1.35 -9.71	22.67 1.22 -6.00	21.10 0.99 -7.91	20.72 1.18 -4.76	26.43 1.26 -9.78	28.32 1.23 -11.73	28.36 1.47 -9.82	30.91 1.99 -8.86	33.16 2.01 -10.84	36.96 1.98 -13.40	33.58 2.10 -9.43	36.95 2.20 -11.83	34.40 1.98 -11.79	36.98 2.09 -13.98	38.97 2.00 -16.14	40.80 1.94 -19.22	42.56 2.54 -14.36	43.02 2.46 -14.99	37.06 2.34 -11.34	40.69 2.31 -15.10	33.91 2.06 -9.66	31.70 1.96 -8.89	30.30 1.55 -9.89
PPL PILGRIM_ST_GT1 24216	28.85 1.69 -8.95	26.83 1.44 -9.71	22.78 1.33 -6.00	21.18 1.07 -7.91	20.82 1.28 -4.76	26.52 1.35 -9.78	28.42 1.34 -11.73	28.48 1.59 -9.82	31.03 2.11 -8.86	33.30 2.15 -10.84	37.11 2.14 -13.40	33.67 2.18 -9.43	37.04 2.29 -11.83	34.48 2.06 -11.79	37.06 2.17 -13.98	39.11 2.15 -16.14	40.96 2.10 -19.22	42.77 2.75 -14.36	43.20 2.64 -14.99	37.16 2.43 -11.34	40.78 2.40 -15.10	34.00 2.15 -9.66	31.80 2.06 -8.89	30.42 1.66 -9.89
PPL PILGRIM_ST_GT2 24217	28.85 1.69 -8.95	26.83 1.44 -9.71	22.78 1.33 -6.00	21.18 1.07 -7.91	20.82 1.28 -4.76	26.52 1.35 -9.78	28.42 1.34 -11.73	28.48 1.59 -9.82	31.03 2.11 -8.86	33.30 2.15 -10.84	37.11 2.14 -13.40	33.67 2.18 -9.43	37.04 2.29 -11.83	34.48 2.06 -11.79	37.06 2.17 -13.98	39.11 2.15 -16.14	40.96 2.10 -19.22	42.77 2.75 -14.36	43.20 2.64 -14.99	37.16 2.43 -11.34	40.78 2.40 -15.10	34.00 2.15 -9.66	31.80 2.06 -8.89	30.42 1.66 -9.89
PPL_SHRM_GT3 24213	28.52 1.37 -8.95	26.52 1.13 -9.71	22.51 1.06 -6.00	21.00 0.89 -7.91	20.58 1.05 -4.76	26.23 1.06 -9.78	28.16 1.07 -11.73	28.22 1.33 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.72 1.97 -11.83	34.20 1.77 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.88 2.15 -11.34	40.52 2.14 -15.10	33.73 1.89 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
PPL_SHRM_GT4 24214	28.52 1.37 -8.95	26.52 1.13 -9.71	22.51 1.06 -6.00	21.00 0.89 -7.91	20.58 1.05 -4.76	26.23 1.06 -9.78	28.16 1.07 -11.73	28.22 1.33 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.72 1.97 -11.83	34.20 1.77 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.88 2.15 -11.34	40.52 2.14 -15.10	33.73 1.89 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
PROJECT____ORANGE 1 24174	18.15 -0.09 -0.03	15.75 -0.08 -0.15	15.51 -0.03 -0.09	12.51 -0.05 -0.37	14.85 -0.04 -0.12	15.47 -0.09 -0.17	15.69 -0.08 -0.41	17.58 -0.03 -0.54	20.23 -0.10 -0.27	20.49 -0.08 -0.27	21.74 -0.06 -0.23	22.30 -0.07 -0.31	23.21 -0.07 -0.35	21.00 -0.08 -0.45	21.33 -0.10 -0.52	21.37 -0.10 -0.64	20.53 -0.06 -0.95	26.22 -0.18 -0.74	25.95 -0.15 -0.53	23.92 -0.05 -0.58	23.67 -0.09 -0.48	22.34 -0.09 -0.24	20.80 -0.13 -0.07	18.86 -0.06 -0.06
PROJECT____ORANGE 2 24166	18.15 -0.09 -0.03	15.75 -0.08 -0.15	15.51 -0.03 -0.09	12.51 -0.05 -0.37	14.85 -0.04 -0.12	15.47 -0.09 -0.17	15.69 -0.08 -0.41	17.58 -0.03 -0.54	20.23 -0.10 -0.27	20.49 -0.08 -0.27	21.74 -0.06 -0.23	22.30 -0.07 -0.31	23.21 -0.07 -0.35	21.00 -0.08 -0.45	21.33 -0.10 -0.52	21.37 -0.10 -0.64	20.53 -0.06 -0.95	26.22 -0.18 -0.74	25.95 -0.15 -0.53	23.92 -0.05 -0.58	23.67 -0.09 -0.48	22.34 -0.09 -0.24	20.80 -0.13 -0.07	18.86 -0.06 -0.06
PUCKETT____SOLAR 323809	18.63 0.31 -0.11	16.45 0.24 -0.54	16.07 0.29 -0.33	13.70 0.21 -1.30	15.47 0.27 -0.43	16.22 0.23 -0.60	17.34 0.26 -1.72	19.27 0.29 -1.90	21.73 0.36 -1.30	22.00 0.41 -1.29	23.14 0.45 -1.11	24.02 0.46 -1.50	25.13 0.50 -1.70	23.22 0.41 -2.18	23.85 0.42 -2.52	24.38 0.46 -3.09	24.69 0.47 -4.58	29.81 0.59 -3.56	28.69 0.56 -2.55	26.96 0.77 -2.80	26.31 0.72 -2.31	24.00 0.67 -1.15	21.72 0.52 -0.35	19.46 0.40 -0.19
PYRITES____HYD 24023	18.33 0.13 0.00	15.79 0.11 0.00	15.49 0.05 0.00	12.22 0.02 0.00	14.82 0.04 0.00	15.52 0.12 0.00	15.54 0.18 0.00	17.24 0.17 0.00	20.25 0.18 0.00	20.43 0.12 0.00	21.75 0.17 0.00	22.21 0.15 0.00	23.04 0.11 0.00	20.77 0.14 0.00	21.02 0.10 0.00	20.96 0.12 0.00	19.51 -0.12 0.00	25.58 -0.08 0.00	25.50 -0.08 0.00	23.22 -0.16 0.00	23.47 0.19 0.00	22.35 0.16 0.00	20.95 0.10 0.00	18.94 0.08 0.00
QUAKERRD_115KV_BK1 80622	17.59 -0.66 -0.04	15.31 -0.56 -0.20	15.12 -0.45 -0.12	12.35 -0.33 -0.48	14.53 -0.40 -0.16	15.09 -0.52 -0.22	15.38 -0.54 -0.56	17.19 -0.58 -0.70	19.61 -0.82 -0.37	20.02 -0.65 -0.37	21.25 -0.65 -0.32	21.74 -0.75 -0.44	22.66 -0.76 -0.49	20.50 -0.76 -0.63	20.81 -0.84 -0.73	20.89 -0.83 -0.90	20.25 -0.71 -1.33	25.59 -1.10 -1.03	25.34 -0.97 -0.74	23.52 -0.68 -0.81	23.20 -0.74 -0.67	21.84 -0.69 -0.33	20.22 -0.73 -0.10	18.39 -0.55 -0.07

QUENSBRY_I15KV_TB8 356137	20.30 1.66 -0.43	19.19 1.40 -2.12	18.14 1.41 -1.29	18.40 1.11 -5.09	17.77 1.31 -1.68	19.16 1.42 -2.35	34.95 1.43 -18.16	33.32 1.62 -14.62	36.44 1.50 -14.87	37.24 1.58 -15.36	37.41 1.79 -14.05	36.98 1.72 -13.20	38.82 1.79 -14.11	41.62 1.55 -19.45	42.89 1.46 -20.52	46.09 1.54 -23.72	56.23 1.47 -35.12	54.95 2.03 -27.26	51.40 2.00 -23.82	46.12 1.92 -20.81	42.36 1.93 -17.14	32.56 1.84 -8.53	25.48 2.06 -2.57	21.40 1.77 -0.76
RAMAPO____LBMP 323565	19.55 1.02 -0.33	18.11 0.85 -1.59	17.22 0.80 -0.97	16.67 0.66 -3.82	16.82 0.78 -1.26	17.94 0.79 -1.76	20.68 0.80 -4.52	23.58 0.94 -5.57	24.50 1.30 -3.13	24.75 1.34 -3.11	25.68 1.42 -2.68	27.26 1.54 -3.66	28.67 1.60 -4.14	27.40 1.46 -5.30	28.60 1.55 -6.14	29.84 1.48 -7.53	32.20 1.41 -11.15	36.17 1.85 -8.66	33.54 1.76 -6.20	31.82 1.59 -6.84	30.45 1.54 -5.64	26.44 1.44 -2.80	23.03 1.33 -0.84	20.51 1.08 -0.57
RANKINE____ 23646	17.50 -0.76 -0.06	15.25 -0.71 -0.28	15.12 -0.49 -0.17	12.58 -0.29 -0.68	14.63 -0.37 -0.22	15.12 -0.58 -0.31	15.49 -0.68 -0.81	17.20 -0.85 -0.98	19.74 -0.88 -0.56	20.33 -0.53 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.78 -0.78 -0.94	21.12 -0.88 -1.09	21.23 -0.94 -1.34	20.86 -0.75 -1.98	25.11 -1.28 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.63 -0.65 -1.00	22.22 -0.47 -0.50	20.46 -0.54 -0.15	18.34 -0.62 -0.10
RAVENSWOOD_GT2_1 24244	19.79 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT2_2 24245	19.79 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT2_3 24246	19.80 1.26 -0.34	18.40 1.07 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.39 1.67 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT2_4 24247	19.80 1.26 -0.34	18.40 1.07 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.08 1.21 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.13 1.77 -2.79	27.80 1.94 -3.80	29.23 1.99 -4.31	27.94 1.79 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.39 1.67 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT3_1 24248	19.79 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT3_2 24249	19.79 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT3_3 24250	19.82 1.27 -0.34	18.39 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.15 1.79 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.46 1.79 -7.84	32.98 1.75 -11.60	36.90 2.23 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.89 -5.86	26.86 1.75 -2.92	23.39 1.67 -0.88	20.74 1.28 -0.60
RAVENSWOOD_GT3_4 24251	19.82 1.27 -0.34	18.40 1.07 -1.65	17.47 1.02 -1.01	17.00 0.83 -3.97	17.06 0.97 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.15 1.79 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	33.01 1.77 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.88 -5.86	26.84 1.73 -2.92	23.41 1.69 -0.88	20.74 1.28 -0.60
RAVENSWOOD_GT_1 23729	19.90 1.35 -0.35	18.46 1.13 -1.65	17.52 1.06 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.22 1.00 -1.83	21.07 1.01 -4.70	24.11 1.25 -5.79	25.01 1.69 -3.25	25.22 1.68 -3.23	26.19 1.83 -2.79	27.87 2.01 -3.80	29.30 2.06 -4.31	28.02 1.88 -5.52	29.26 1.97 -6.39	30.52 1.85 -7.84	33.06 1.83 -11.60	37.00 2.33 -9.01	34.20 2.17 -6.45	32.47 1.96 -7.12	31.07 1.93 -5.86	26.86 1.75 -2.92	23.48 1.75 -0.88	20.76 1.30 -0.60
RAVENSWOOD_GT_10 24258	19.78 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.87 2.21 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	31.00 1.86 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT_11 24259	19.78 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT_4 24252	19.78 1.24 -0.33	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.14 1.84 -6.39	30.42 1.75 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.71 1.25 -0.60

RAVENSWOOD_GT_5 24254	19.78 1.24 -0.33	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.14 1.84 -6.39	30.42 1.75 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.71 1.25 -0.60
RAVENSWOOD_GT_6 24253	19.78 1.24 -0.33	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.14 1.84 -6.39	30.42 1.75 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.71 1.25 -0.60
RAVENSWOOD_GT_7 24255	19.78 1.24 -0.33	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.14 1.84 -6.39	30.42 1.75 -7.84	32.95 1.71 -11.60	36.85 2.18 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	30.98 1.84 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.71 1.25 -0.60
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	19.78 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.20 -5.79	24.95 1.63 -3.26	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.95 1.71 -11.60	36.87 2.21 -9.01	34.10 2.07 -6.45	32.37 1.87 -7.12	31.00 1.86 -5.86	26.82 1.71 -2.92	23.35 1.63 -0.88	20.73 1.26 -0.60
RAVENSWOOD_GT_9 24257	19.78 1.24 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.16 1.86 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.87 2.21 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD___1 23533	19.88 1.33 -0.35	18.46 1.13 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	24.99 1.66 -3.25	25.22 1.68 -3.23	26.17 1.81 -2.79	27.87 2.01 -3.80	29.30 2.06 -4.31	28.00 1.86 -5.52	29.24 1.95 -6.39	30.50 1.83 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.18 2.15 -6.45	32.44 1.94 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.48 1.75 -0.88	20.76 1.30 -0.60
RAVENSWOOD___2 23534	19.88 1.33 -0.35	18.44 1.11 -1.65	17.50 1.05 -1.01	17.03 0.87 -3.97	17.09 1.01 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.99 1.66 -3.25	25.20 1.67 -3.23	26.17 1.81 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	28.00 1.86 -5.52	29.24 1.95 -6.39	30.50 1.83 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.18 2.15 -6.45	32.44 1.94 -7.12	31.05 1.91 -5.86	26.84 1.73 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
RAVENSWOOD___3 23535	19.80 1.26 -0.34	18.38 1.05 -1.65	17.46 1.00 -1.01	16.98 0.82 -3.97	17.04 0.96 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.06 1.19 -5.79	24.95 1.62 -3.25	25.18 1.64 -3.23	26.13 1.77 -2.79	27.78 1.92 -3.80	29.20 1.97 -4.31	27.92 1.77 -5.52	29.18 1.88 -6.39	30.44 1.77 -7.84	32.97 1.73 -11.60	36.90 2.23 -9.01	34.13 2.10 -6.45	32.40 1.89 -7.12	31.01 1.86 -5.86	26.82 1.71 -2.92	23.37 1.65 -0.88	20.73 1.26 -0.60
RAVENSWOOD___4 23820	19.86 1.31 -0.35	18.44 1.11 -1.65	17.50 1.05 -1.01	17.02 0.85 -3.97	17.09 1.01 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.97 1.65 -3.25	25.20 1.67 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.04 1.81 -11.60	36.98 2.31 -9.01	34.18 2.15 -6.45	32.44 1.94 -7.12	31.05 1.91 -5.86	26.84 1.73 -2.92	23.46 1.73 -0.88	20.74 1.28 -0.60
RCPL_TRUST___DRP 24196	19.80 1.26 -0.34	18.39 1.07 -1.65	17.46 1.00 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	32.98 1.75 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.89 -5.86	26.86 1.75 -2.92	23.37 1.65 -0.88	20.74 1.28 -0.60
RED___ROCHESTER 323720	18.10 -0.15 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.16 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.34	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.54 -0.23 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.21 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.54 0.00 -0.35	20.93 -0.02 -0.10	18.96 0.02 -0.07
REGAN___SOLAR 323812	20.59 1.89 -0.49	19.66 1.58 -2.40	18.73 1.82 -1.46	19.42 1.45 -5.77	18.38 1.70 -1.90	19.70 1.65 -2.66	29.36 1.87 -12.12	29.10 2.06 -9.96	32.96 2.29 -10.61	33.22 2.25 -10.66	33.37 2.44 -9.36	35.26 2.43 -10.78	37.57 2.52 -12.12	38.44 2.15 -15.66	41.00 2.15 -17.93	44.91 2.23 -21.85	54.21 2.22 -32.36	53.83 3.05 -25.12	47.25 3.25 -18.42	46.15 3.27 -19.49	42.69 3.35 -16.06	33.31 3.13 -7.98	25.94 2.69 -2.40	21.99 2.26 -0.87
RENSSELAER___COGEN 23796	19.16 0.53 -0.42	18.16 0.44 -2.04	17.16 0.46 -1.25	17.46 0.35 -4.92	16.87 0.47 -1.62	18.11 0.45 -2.27	11.70 0.46 4.12	13.57 0.50 4.00	19.98 0.64 0.73	19.29 0.63 1.65	19.54 0.65 2.68	27.72 0.71 -4.95	30.55 0.76 -6.87	28.03 0.68 -6.73	32.40 0.71 -10.78	36.91 0.67 -15.41	43.08 0.63 -22.82	44.14 0.77 -17.72	32.56 0.74 -6.24	38.36 0.73 -14.25	35.71 0.70 -11.73	28.72 0.69 -5.84	23.23 0.62 -1.76	20.13 0.53 -0.74
REPUBLIC_115KV_BARTNBRK 55605	21.26 2.62 -0.43	19.99 2.19 -2.11	19.05 2.32 -1.29	19.11 1.83 -5.09	18.62 2.17 -1.68	19.99 2.25 -2.35	36.21 2.38 -18.48	34.76 2.75 -14.94	37.99 2.89 -15.04	38.96 3.11 -15.55	39.37 3.54 -14.25	38.76 3.44 -13.26	40.61 3.55 -14.13	43.22 3.03 -19.56	44.40 2.95 -20.54	47.60 3.10 -23.66	57.56 2.89 -35.04	56.63 3.77 -27.20	53.32 3.73 -24.01	47.73 3.60 -20.74	44.02 3.65 -17.09	34.20 3.51 -8.50	26.85 3.44 -2.56	22.57 2.94 -0.76
REVERE_CPPR_DRP 24186	18.75 0.53 -0.02	16.19 0.42 -0.09	16.01 0.51 -0.05	12.70 0.29 -0.21	15.24 0.40 -0.07	15.86 0.37 -0.10	15.95 0.48 -0.12	17.90 0.53 -0.30	20.69 0.62 0.00	20.87 0.57 0.00	22.18 0.60 0.00	22.68 0.62 0.00	23.54 0.62 0.00	21.16 0.54 0.00	21.46 0.54 0.00	21.44 0.60 0.00	20.22 0.59 0.00	26.48 0.82 0.00	26.35 0.77 0.00	24.23 0.84 0.00	24.19 0.91 0.00	23.01 0.82 0.00	21.49 0.65 0.00	19.50 0.60 -0.03

REYNOLDS_115KV_TB3 80639	19.30 0.67 -0.42	18.30 0.58 -2.05	17.30 0.60 -1.25	17.59 0.48 -4.92	16.99 0.59 -1.62	18.25 0.60 -2.26	8.39 0.58 7.55	10.20 0.61 7.49	18.23 0.80 2.64	17.28 0.81 3.83	17.44 0.82 4.96	27.33 0.88 -4.39	30.50 0.92 -6.66	27.22 0.85 -5.75	32.44 0.86 -10.67	37.70 0.83 -16.04	44.15 0.77 -23.75	45.07 0.98 -18.44	31.06 0.95 -4.53	39.26 0.94 -14.94	36.50 0.91 -12.31	29.20 0.89 -6.12	23.50 0.81 -1.84	20.32 0.72 -0.74
RIVERBAY____ 323610	20.08 1.53 -0.35	18.63 1.30 -1.65	17.78 1.33 -1.01	17.25 1.07 -3.98	17.38 1.29 -1.32	18.38 1.15 -1.83	21.27 1.21 -4.70	24.33 1.47 -5.79	25.21 1.89 -3.26	25.41 1.87 -3.23	26.39 2.03 -2.79	28.14 2.27 -3.80	29.57 2.34 -4.31	28.25 2.10 -5.52	29.47 2.17 -6.39	30.73 2.06 -7.84	33.24 2.00 -11.60	37.23 2.57 -9.01	34.44 2.40 -6.45	32.68 2.17 -7.12	31.31 2.16 -5.86	27.13 2.02 -2.92	23.81 2.08 -0.88	21.01 1.55 -0.60
RIVERSDE_115KV_TB3 55908	19.25 0.62 -0.42	18.25 0.52 -2.05	17.24 0.54 -1.25	17.54 0.41 -4.94	16.95 0.55 -1.63	18.17 0.51 -2.27	11.29 0.51 4.58	12.97 0.55 4.65	19.93 0.70 0.83	19.21 0.71 1.80	19.42 0.73 2.89	28.50 0.84 -5.60	31.38 0.87 -7.59	29.08 0.78 -7.67	33.57 0.82 -11.84	38.33 0.79 -16.71	45.10 0.73 -24.74	45.76 0.90 -19.20	33.80 0.87 -7.35	39.62 0.84 -15.39	36.77 0.81 -12.68	29.29 0.80 -6.30	23.48 0.73 -1.90	20.23 0.62 -0.74
ROARING____BROOK_WT_PWR 323790	17.82 -0.38 0.00	15.30 -0.38 0.00	15.00 -0.45 0.00	11.83 -0.37 0.00	14.32 -0.46 0.00	14.98 -0.41 0.00	14.93 -0.43 0.00	16.56 -0.51 0.00	19.44 -0.62 0.00	19.67 -0.63 0.00	20.91 -0.67 0.00	21.35 -0.71 0.00	22.17 -0.76 0.00	19.95 -0.68 0.00	20.20 -0.71 0.00	20.14 -0.69 0.00	18.97 -0.67 0.00	24.81 -0.85 0.00	24.76 -0.82 0.00	22.57 -0.82 0.00	22.53 -0.75 0.00	21.48 -0.71 0.00	20.26 -0.58 0.00	18.37 -0.49 0.00
ROCHESRG_115KV_T4 355643	17.92 -0.33 -0.04	15.60 -0.28 -0.21	15.40 -0.17 -0.13	12.60 -0.09 -0.50	14.83 -0.10 -0.16	15.41 -0.22 -0.23	15.65 -0.28 -0.57	17.47 -0.32 -0.72	19.95 -0.50 -0.38	20.40 -0.28 -0.38	21.65 -0.26 -0.33	22.13 -0.38 -0.45	23.09 -0.34 -0.51	20.87 -0.41 -0.65	21.16 -0.50 -0.75	21.26 -0.50 -0.92	20.61 -0.39 -1.37	25.88 -0.74 -0.96	25.57 -0.54 -0.53	23.97 -0.26 -0.84	23.64 -0.33 -0.69	22.27 -0.27 -0.34	20.62 -0.33 -0.10	18.75 -0.19 -0.07
ROCHESTER_9_IC 23652	18.03 -0.22 -0.04	15.70 -0.19 -0.21	15.49 -0.08 -0.13	12.67 -0.02 -0.50	14.91 -0.03 -0.16	15.48 -0.14 -0.23	15.74 -0.20 -0.58	17.57 -0.22 -0.72	20.07 -0.38 -0.39	20.55 -0.14 -0.39	21.80 -0.11 -0.33	22.29 -0.22 -0.45	23.25 -0.18 -0.51	21.02 -0.27 -0.66	21.32 -0.36 -0.76	21.41 -0.35 -0.93	20.76 -0.26 -1.38	26.17 -0.56 -1.07	25.99 -0.36 -0.77	24.14 -0.09 -0.85	23.81 -0.16 -0.70	22.43 -0.11 -0.35	20.72 -0.23 -0.10	18.86 -0.08 -0.07
ROCKVIEW_13_KV_LD 356306	19.78 1.24 -0.34	18.36 1.03 -1.65	17.44 0.99 -1.01	16.97 0.80 -3.97	17.03 0.95 -1.31	18.19 0.97 -1.83	21.04 0.98 -4.70	24.02 1.16 -5.79	24.93 1.61 -3.26	25.16 1.62 -3.23	26.09 1.73 -2.79	27.74 1.88 -3.80	29.20 1.97 -4.31	27.90 1.75 -5.52	29.12 1.82 -6.39	30.40 1.73 -7.84	32.93 1.69 -11.61	36.85 2.18 -9.01	34.10 2.07 -6.45	32.40 1.89 -7.12	31.00 1.86 -5.86	26.82 1.71 -2.92	23.31 1.58 -0.88	20.73 1.26 -0.60
ROME____115KV_TB2 80656	18.75 0.53 -0.02	16.19 0.42 -0.09	16.01 0.51 -0.05	12.70 0.29 -0.21	15.24 0.40 -0.07	15.86 0.37 -0.10	15.95 0.48 -0.12	17.90 0.53 -0.30	20.69 0.62 0.00	20.87 0.57 0.00	22.18 0.60 0.00	22.68 0.62 0.00	23.54 0.62 0.00	21.16 0.54 0.00	21.46 0.54 0.00	21.44 0.60 0.00	20.22 0.59 0.00	26.48 0.82 0.00	26.35 0.77 0.00	24.23 0.84 0.00	24.19 0.91 0.00	23.01 0.82 0.00	21.49 0.65 0.00	19.50 0.60 -0.03
ROSETON____1 23587	19.55 1.00 -0.34	18.18 0.85 -1.65	17.26 0.80 -1.01	16.82 0.65 -3.98	16.85 0.77 -1.31	18.01 0.78 -1.84	20.82 0.77 -4.69	23.78 0.90 -5.80	24.53 1.22 -3.24	24.76 1.24 -3.21	25.64 1.29 -2.77	27.26 1.41 -3.78	28.68 1.47 -4.28	27.44 1.32 -5.49	28.67 1.40 -6.35	29.96 1.33 -7.79	32.45 1.28 -11.54	36.26 1.64 -8.96	33.58 1.59 -6.42	31.89 1.43 -7.08	30.53 1.42 -5.83	26.45 1.35 -2.90	22.99 1.27 -0.87	20.50 1.04 -0.60
ROSETON____2 23588	19.55 1.00 -0.34	18.18 0.85 -1.65	17.26 0.80 -1.01	16.82 0.65 -3.98	16.85 0.77 -1.31	18.01 0.78 -1.84	20.82 0.77 -4.69	23.78 0.90 -5.80	24.53 1.22 -3.24	24.76 1.24 -3.21	25.64 1.29 -2.77	27.26 1.41 -3.78	28.68 1.47 -4.28	27.44 1.32 -5.49	28.67 1.40 -6.35	29.96 1.33 -7.79	32.45 1.28 -11.54	36.26 1.64 -8.96	33.58 1.59 -6.42	31.89 1.43 -7.08	30.53 1.42 -5.83	26.45 1.35 -2.90	22.99 1.27 -0.87	20.50 1.04 -0.60
ROTTDAM_115KV_TB3 80664	19.48 0.84 -0.44	18.52 0.71 -2.14	17.48 0.73 -1.31	17.93 0.59 -5.15	17.17 0.69 -1.70	18.50 0.72 -2.39	29.06 0.74 -12.96	27.20 0.82 -9.30	33.05 0.98 -12.00	33.39 1.02 -12.07	33.27 1.10 -10.60	35.31 1.10 -12.15	37.73 1.15 -13.66	39.30 1.01 -17.66	42.15 1.02 -20.21	46.48 1.02 -24.63	57.07 0.96 -36.48	55.23 1.26 -28.31	47.59 1.23 -20.78	46.51 1.17 -21.96	42.53 1.16 -18.09	32.30 1.11 -9.00	24.62 1.06 -2.71	20.54 0.91 -0.77
RUSSELL____1 23602	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.15 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.33	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.52 -0.25 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.20 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.56 0.02 -0.35	20.85 -0.10 -0.10	18.96 0.02 -0.07
RUSSELL____2 23532	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.15 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.33	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.52 -0.25 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.20 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.56 0.02 -0.35	20.85 -0.10 -0.10	18.96 0.02 -0.07
RUSSELL____3 23549	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.15 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.33	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.52 -0.25 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.20 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.56 0.02 -0.35	20.85 -0.10 -0.10	18.96 0.02 -0.07
RUSSELL____4 23556	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.15 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.33	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.52 -0.25 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.20 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.56 0.02 -0.35	20.85 -0.10 -0.10	18.96 0.02 -0.07

RUSSELL___STATION 23914	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.15 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.33	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.52 -0.25 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.20 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.56 0.02 -0.35	20.85 -0.10 -0.10	18.96 0.02 -0.07
S SALMON___HYD 24043	18.25 0.02 -0.03	15.80 0.00 -0.12	15.55 0.03 -0.07	12.45 -0.04 -0.29	14.84 -0.03 -0.10	15.48 -0.05 -0.14	15.51 -0.02 -0.17	17.50 0.00 -0.43	19.99 -0.08 0.00	20.18 -0.12 0.00	21.45 -0.13 0.00	21.93 -0.13 0.00	22.77 -0.16 0.00	20.46 -0.17 0.00	20.72 -0.19 0.00	20.62 -0.21 0.00	19.44 -0.20 0.00	25.40 -0.26 0.00	25.35 -0.23 0.00	23.32 -0.07 0.00	23.23 -0.05 0.00	22.19 0.00 0.00	20.79 -0.06 0.00	18.93 0.02 -0.04
S.PERRY__115KV_TB1 80734	18.39 0.13 -0.06	16.06 0.09 -0.29	15.84 0.22 -0.18	13.09 0.20 -0.70	15.24 0.24 -0.23	15.82 0.11 -0.32	16.28 0.09 -0.83	18.13 0.05 -1.01	20.52 -0.12 -0.57	20.93 0.06 -0.57	21.98 -0.09 -0.49	22.51 -0.22 -0.67	23.53 -0.16 -0.76	21.31 -0.29 -0.98	21.81 -0.23 -1.13	21.95 -0.27 -1.39	21.55 -0.14 -2.05	29.68 -0.23 -4.25	32.90 0.20 -7.12	25.25 0.61 -1.26	24.92 0.61 -1.04	23.28 0.58 -0.52	21.32 0.31 -0.16	19.29 0.32 -0.10
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	17.46 -0.80 -0.06	15.23 -0.72 -0.27	15.11 -0.49 -0.16	12.56 -0.28 -0.65	14.63 -0.35 -0.21	15.09 -0.60 -0.30	15.44 -0.69 -0.77	17.13 -0.89 -0.94	19.55 -1.04 -0.53	20.16 -0.67 -0.53	21.34 -0.69 -0.45	21.84 -0.84 -0.61	22.82 -0.80 -0.70	20.57 -0.95 -0.89	20.88 -1.07 -1.03	20.99 -1.10 -1.27	20.60 -0.90 -1.88	24.87 -1.49 -0.69	23.67 -1.30 0.61	23.83 -0.70 -1.15	23.41 -0.81 -0.95	22.02 -0.64 -0.47	20.30 -0.69 -0.14	18.30 -0.66 -0.10
SAWYER__23_KV_LOAD 55526	17.46 -0.80 -0.06	15.23 -0.72 -0.27	15.11 -0.49 -0.16	12.56 -0.28 -0.65	14.63 -0.35 -0.21	15.09 -0.60 -0.30	15.44 -0.69 -0.77	17.13 -0.89 -0.94	19.55 -1.04 -0.53	20.16 -0.67 -0.53	21.34 -0.69 -0.45	21.84 -0.84 -0.61	22.82 -0.80 -0.70	20.57 -0.95 -0.89	20.88 -1.07 -1.03	20.99 -1.10 -1.27	20.60 -0.90 -1.88	24.87 -1.49 -0.69	23.67 -1.30 0.61	23.83 -0.70 -1.15	23.41 -0.81 -0.95	22.02 -0.64 -0.47	20.30 -0.69 -0.14	18.30 -0.66 -0.10
SELKIRK__I 23801	19.31 0.69 -0.41	18.28 0.60 -2.01	17.31 0.63 -1.23	17.53 0.50 -4.84	16.99 0.62 -1.60	18.24 0.62 -2.23	16.11 0.61 -0.13	18.32 0.67 -0.58	22.32 0.82 -1.43	22.04 0.85 -0.89	22.49 0.88 -0.03	28.01 0.93 -5.02	30.30 0.96 -6.41	28.51 0.87 -7.02	31.65 0.88 -9.85	35.04 0.85 -13.36	40.20 0.79 -19.78	41.99 0.97 -15.36	33.79 0.95 -7.26	36.58 0.94 -12.26	34.31 0.93 -10.10	28.10 0.89 -5.02	23.19 0.83 -1.51	20.31 0.72 -0.73
SELKIRK__II 23799	19.21 0.58 -0.42	18.20 0.49 -2.03	17.20 0.51 -1.24	17.48 0.39 -4.89	16.89 0.50 -1.61	18.14 0.49 -2.26	15.29 0.51 0.58	17.42 0.55 0.20	21.86 0.70 -1.10	21.50 0.71 -0.48	21.90 0.73 0.41	27.91 0.77 -5.08	30.33 0.82 -6.58	28.44 0.74 -7.07	31.83 0.77 -10.14	35.44 0.73 -13.88	40.88 0.69 -20.56	42.46 0.85 -15.96	33.62 0.84 -7.20	36.93 0.80 -12.75	34.58 0.79 -10.50	28.17 0.75 -5.22	23.13 0.71 -1.57	20.20 0.60 -0.73
SENECA OSWGO___HYD 24041	18.07 -0.16 -0.03	15.67 -0.14 -0.14	15.42 -0.11 -0.08	12.43 -0.10 -0.33	14.76 -0.12 -0.11	15.38 -0.17 -0.15	15.39 -0.15 -0.19	17.43 -0.12 -0.48	19.85 -0.22 0.00	20.08 -0.22 0.00	21.36 -0.22 0.00	21.82 -0.24 0.00	22.67 -0.25 0.00	20.38 -0.25 0.00	20.64 -0.27 0.00	20.56 -0.27 0.00	19.42 -0.22 0.00	25.30 -0.36 0.00	25.25 -0.33 0.00	23.17 -0.21 0.00	23.05 -0.23 0.00	21.95 -0.24 0.00	20.58 -0.27 0.00	18.76 -0.15 -0.05
SENECA___115KV_TB3 355854	17.52 -0.75 -0.06	15.29 -0.67 -0.28	15.14 -0.48 -0.17	12.59 -0.28 -0.68	14.66 -0.34 -0.22	15.14 -0.57 -0.31	15.50 -0.66 -0.81	17.24 -0.82 -0.98	19.76 -0.86 -0.56	20.37 -0.49 -0.56	21.56 -0.50 -0.48	22.09 -0.62 -0.65	23.09 -0.57 -0.74	20.83 -0.74 -0.94	21.14 -0.86 -1.09	21.27 -0.90 -1.34	20.88 -0.73 -1.98	25.16 -1.23 -0.73	23.74 -1.18 0.66	24.11 -0.49 -1.21	23.67 -0.61 -1.00	22.27 -0.42 -0.50	20.48 -0.52 -0.15	18.38 -0.58 -0.10
SENECA___ENERGY 23797	18.11 -0.15 -0.04	15.75 -0.14 -0.22	15.49 -0.09 -0.13	12.63 -0.08 -0.52	14.87 -0.07 -0.17	15.51 -0.12 -0.24	15.86 -0.11 -0.61	17.73 -0.08 -0.75	20.35 -0.14 -0.42	20.66 -0.06 -0.42	21.91 -0.02 -0.36	22.52 -0.02 -0.49	23.45 -0.02 -0.55	21.27 -0.06 -0.70	21.62 -0.10 -0.82	21.73 -0.10 -1.00	21.08 -0.04 -1.48	26.87 -0.13 -1.34	26.75 -0.08 -1.24	24.41 0.12 -0.91	24.05 0.02 -0.75	22.56 0.00 -0.37	20.88 -0.08 -0.11	18.87 -0.08 -0.08
SHOEMAKER___GT 23640	19.43 0.91 -0.31	17.96 0.77 -1.51	17.08 0.71 -0.92	16.38 0.55 -3.63	16.62 0.65 -1.20	17.76 0.69 -1.67	20.31 0.66 -4.30	23.12 0.75 -5.29	24.10 1.06 -2.97	24.33 1.08 -2.95	25.26 1.14 -2.54	26.72 1.19 -3.47	28.09 1.24 -3.93	26.82 1.15 -5.04	27.97 1.23 -5.83	29.15 1.17 -7.15	31.36 1.14 -10.59	35.34 1.46 -8.22	32.87 1.41 -5.89	31.14 1.26 -6.50	29.86 1.23 -5.35	26.03 1.18 -2.66	22.75 1.10 -0.80	20.30 0.89 -0.54
SHOEMAKR_138KV_BK 111 55601	19.41 0.89 -0.31	17.93 0.75 -1.50	17.07 0.71 -0.92	16.35 0.55 -3.61	16.63 0.66 -1.19	17.73 0.68 -1.66	20.30 0.68 -4.27	23.10 0.77 -5.26	24.08 1.06 -2.95	24.33 1.10 -2.93	25.27 1.17 -2.53	26.72 1.21 -3.45	28.11 1.28 -3.91	26.81 1.18 -5.00	27.96 1.25 -5.79	29.12 1.19 -7.10	31.31 1.16 -10.52	35.29 1.46 -8.17	32.86 1.43 -5.85	31.12 1.29 -6.45	29.85 1.26 -5.32	26.03 1.20 -2.64	22.75 1.10 -0.80	20.29 0.89 -0.54
SHOREHAM_IC_1 23715	28.52 1.37 -8.95	26.52 1.13 -9.71	22.51 1.06 -6.00	21.00 0.89 -7.91	20.58 1.05 -4.76	26.23 1.06 -9.78	28.16 1.07 -11.73	28.22 1.33 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.72 1.97 -11.83	34.20 1.77 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.88 2.15 -11.34	40.52 2.14 -15.10	33.73 1.89 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
SHOREHAM_IC_2 23716	28.52 1.37 -8.95	26.52 1.13 -9.71	22.51 1.06 -6.00	21.00 0.89 -7.91	20.58 1.05 -4.76	26.23 1.06 -9.78	28.16 1.07 -11.73	28.22 1.33 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.72 1.97 -11.83	34.20 1.77 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.46 2.44 -14.36	42.92 2.35 -14.99	36.88 2.15 -11.34	40.52 2.14 -15.10	33.73 1.89 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
SISSONVILLE___ 23735	18.19 -0.02 0.00	15.66 -0.02 0.00	15.35 -0.09 0.00	12.12 -0.07 0.00	14.67 -0.10 0.00	15.38 -0.02 0.00	15.36 0.00 0.00	17.04 -0.03 0.00	19.99 -0.08 0.00	20.18 -0.12 0.00	21.49 -0.09 0.00	21.90 -0.15 0.00	22.74 -0.18 0.00	20.50 -0.12 0.00	20.75 -0.17 0.00	20.66 -0.17 0.00	19.20 -0.43 0.00	25.15 -0.51 0.00	25.09 -0.49 0.00	22.80 -0.58 0.00	23.09 -0.19 0.00	22.06 -0.13 0.00	20.74 -0.10 0.00	18.77 -0.09 0.00

SITHE_IND_GS1 24169	17.81 -0.42 -0.02	15.43 -0.36 -0.11	15.19 -0.33 -0.07	12.20 -0.26 -0.26	14.55 -0.31 -0.09	15.16 -0.35 -0.12	15.15 -0.35 -0.15	17.08 -0.38 -0.38	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.03 -0.60 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.51 -0.40 -0.04
SITHE_IND_GS2 24170	17.81 -0.42 -0.02	15.43 -0.36 -0.11	15.19 -0.33 -0.07	12.20 -0.26 -0.26	14.55 -0.31 -0.09	15.16 -0.35 -0.12	15.15 -0.35 -0.15	17.08 -0.38 -0.38	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.03 -0.60 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.51 -0.40 -0.04
SITHE_IND_GS3 24171	17.81 -0.42 -0.02	15.43 -0.36 -0.11	15.19 -0.33 -0.07	12.20 -0.26 -0.26	14.55 -0.31 -0.09	15.16 -0.35 -0.12	15.15 -0.35 -0.15	17.08 -0.38 -0.38	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.03 -0.60 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.51 -0.40 -0.04
SITHE_IND_GS4 24172	17.81 -0.42 -0.02	15.43 -0.36 -0.11	15.19 -0.33 -0.07	12.20 -0.26 -0.26	14.55 -0.31 -0.09	15.16 -0.35 -0.12	15.15 -0.35 -0.15	17.08 -0.38 -0.38	19.53 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.03 -0.60 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.57 -0.62 0.00	20.26 -0.58 0.00	18.51 -0.40 -0.04
SITHE___BATAVIA 24024	17.89 -0.36 -0.05	15.60 -0.31 -0.24	15.47 -0.12 -0.15	12.74 -0.02 -0.57	14.93 -0.03 -0.19	15.50 -0.15 -0.26	15.80 -0.23 -0.67	17.58 -0.32 -0.83	20.07 -0.46 -0.47	20.65 -0.12 -0.46	21.87 -0.11 -0.40	22.31 -0.29 -0.54	23.33 -0.21 -0.61	21.01 -0.39 -0.78	21.33 -0.48 -0.90	21.42 -0.52 -1.11	20.90 -0.37 -1.64	25.82 -0.69 -0.86	25.27 -0.31 0.00	24.37 -0.02 -1.00	24.01 -0.09 -0.83	22.58 -0.02 -0.41	20.95 -0.02 -0.12	18.84 -0.11 -0.09
SITHE___INDEPEND 23800	17.81 -0.42 -0.02	15.43 -0.36 -0.11	15.19 -0.32 -0.07	12.20 -0.26 -0.26	14.55 -0.31 -0.09	15.16 -0.35 -0.12	15.15 -0.35 -0.15	17.08 -0.38 -0.38	19.52 -0.54 0.00	19.76 -0.55 0.00	20.97 -0.60 0.00	21.44 -0.62 0.00	22.28 -0.64 0.00	20.03 -0.60 0.00	20.31 -0.61 0.00	20.23 -0.60 0.00	19.08 -0.55 0.00	24.89 -0.77 0.00	24.84 -0.74 0.00	22.75 -0.63 0.00	22.63 -0.65 0.00	21.59 -0.60 0.00	20.31 -0.54 0.00	18.51 -0.40 -0.04
SITHE___MASSENA 23902	18.06 -0.15 0.00	15.55 -0.13 0.00	15.26 -0.18 0.00	12.08 -0.11 0.00	14.63 -0.15 0.00	15.30 -0.09 0.00	15.28 -0.08 0.00	16.95 -0.12 0.00	19.89 -0.18 0.00	20.10 -0.20 0.00	21.40 -0.17 0.00	21.84 -0.22 0.00	22.67 -0.25 0.00	20.44 -0.19 0.00	20.66 -0.25 0.00	20.64 -0.19 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.27 -0.31 0.00	22.96 -0.42 0.00	23.02 -0.26 0.00	21.97 -0.22 0.00	20.66 -0.19 0.00	18.68 -0.19 0.00
SITHE___OGDNSBRG 24021	18.28 0.07 0.00	15.74 0.06 0.00	15.43 -0.02 0.00	12.18 -0.01 0.00	14.76 -0.01 0.00	15.49 0.09 0.00	15.48 0.12 0.00	17.16 0.09 0.00	20.13 0.06 0.00	20.30 0.00 0.00	21.62 0.04 0.00	22.06 0.00 0.00	22.92 0.00 0.00	20.65 0.02 0.00	20.89 -0.02 0.00	20.85 0.02 0.00	19.48 -0.16 0.00	25.53 -0.13 0.00	25.48 -0.10 0.00	23.17 -0.21 0.00	23.35 0.07 0.00	22.24 0.04 0.00	20.87 0.02 0.00	18.87 0.00 0.00
SITHE___STERLING 23777	18.63 0.40 -0.02	16.11 0.33 -0.10	15.89 0.39 -0.06	12.67 0.23 -0.24	15.16 0.31 -0.08	15.78 0.28 -0.11	15.86 0.37 -0.14	17.83 0.41 -0.35	20.55 0.48 0.00	20.77 0.47 0.00	22.05 0.47 0.00	22.54 0.48 0.00	23.43 0.50 0.00	21.04 0.41 0.00	21.35 0.44 0.00	21.31 0.48 0.00	20.10 0.47 0.00	26.30 0.64 0.00	26.19 0.61 0.00	24.06 0.68 0.00	23.98 0.70 0.00	22.81 0.62 0.00	21.35 0.50 0.00	19.35 0.45 -0.04
SLEIGHT__34_KV_TB1 80719	18.58 0.33 -0.04	16.18 0.30 -0.20	15.92 0.36 -0.12	12.92 0.23 -0.49	15.25 0.31 -0.16	15.90 0.28 -0.23	16.27 0.34 -0.57	18.28 0.50 -0.71	20.99 0.54 -0.38	21.30 0.61 -0.38	22.64 0.73 -0.33	23.21 0.71 -0.45	24.12 0.69 -0.51	21.86 0.58 -0.65	22.21 0.54 -0.75	22.32 0.56 -0.93	21.59 0.59 -1.37	27.34 0.62 -1.06	26.98 0.64 -0.76	25.02 0.80 -0.84	24.67 0.70 -0.69	23.16 0.62 -0.34	21.37 0.42 -0.10	19.35 0.42 -0.07
SOUTH CAIRO___GT 23612	19.50 0.89 -0.40	18.34 0.72 -1.94	17.32 0.70 -1.18	17.32 0.46 -4.66	16.90 0.59 -1.54	18.20 0.66 -2.15	16.13 0.80 0.03	18.33 0.79 -0.48	22.32 1.02 -1.23	22.12 1.12 -0.70	22.61 1.14 0.11	27.54 0.77 -4.71	29.75 0.78 -6.05	28.05 0.85 -6.58	31.22 1.00 -9.30	34.44 0.96 -12.65	39.27 0.90 -18.73	41.20 1.00 -14.54	33.47 1.12 -6.77	35.94 0.94 -11.62	33.74 0.88 -9.57	27.91 0.95 -4.76	23.05 0.77 -1.43	20.26 0.70 -0.70
SOUTH HAMPTN___IC 23720	28.94 1.79 -8.95	26.88 1.49 -9.71	22.84 1.39 -6.00	21.24 1.13 -7.91	20.88 1.34 -4.76	26.57 1.40 -9.78	28.50 1.41 -11.73	28.62 1.72 -9.82	31.25 2.33 -8.86	33.52 2.37 -10.84	37.35 2.37 -13.40	34.00 2.51 -9.43	37.36 2.61 -11.83	34.75 2.33 -11.79	37.33 2.45 -13.98	39.40 2.44 -16.14	41.21 2.35 -19.22	43.10 3.08 -14.36	43.56 2.99 -14.99	37.46 2.73 -11.34	41.08 2.70 -15.10	34.27 2.42 -9.66	31.99 2.25 -8.89	30.53 1.77 -9.89
SOUTHDOW__115KV_TB1 355954	17.76 -0.51 -0.06	15.46 -0.52 -0.30	15.23 -0.40 -0.19	12.68 -0.24 -0.73	14.70 -0.31 -0.24	15.24 -0.49 -0.34	15.66 -0.57 -0.87	17.59 -0.56 -1.08	20.29 -0.40 -0.62	20.96 0.04 -0.62	22.17 0.06 -0.53	22.71 -0.07 -0.72	23.76 0.02 -0.82	21.45 -0.23 -1.05	21.73 -0.40 -1.21	21.82 -0.50 -1.48	21.46 -0.37 -2.20	26.33 -0.67 -1.34	25.26 -0.74 -0.42	24.83 0.09 -1.35	24.41 0.02 -1.11	22.99 0.24 -0.55	21.01 0.00 -0.17	18.69 -0.28 -0.11
SOUTHOLD_69_KV_BK 2 55809	29.28 2.13 -8.95	27.18 1.79 -9.71	23.13 1.68 -6.00	21.47 1.37 -7.91	21.18 1.64 -4.76	26.86 1.69 -9.77	28.79 1.70 -11.73	29.01 2.12 -9.82	31.74 2.81 -8.86	34.03 2.88 -10.84	37.89 2.91 -13.40	34.57 3.09 -9.43	38.01 3.26 -11.83	35.29 2.87 -11.79	37.88 2.99 -13.98	39.93 2.96 -16.14	41.70 2.85 -19.22	43.74 3.72 -14.36	44.20 3.63 -14.99	38.02 3.30 -11.34	41.66 3.28 -15.10	34.80 2.95 -9.66	32.41 2.67 -8.89	30.91 2.15 -9.89
SOUTHOLD___IC 23719	29.28 2.13 -8.95	27.18 1.79 -9.71	23.13 1.68 -6.00	21.47 1.37 -7.91	21.16 1.63 -4.76	28.79 1.69 -9.78	29.01 1.70 -11.73	29.01 2.12 -9.82	31.73 2.81 -8.86	34.03 2.88 -10.84	37.88 2.91 -13.40	34.57 3.09 -9.43	37.96 3.21 -11.83	35.27 2.85 -11.79	37.84 2.95 -13.98	39.93 2.96 -16.14	41.70 2.85 -19.22	43.74 3.72 -14.36	44.19 3.63 -14.99	38.02 3.30 -11.34	41.67 3.28 -15.10	34.78 2.93 -9.66	32.43 2.69 -8.89	30.90 2.15 -9.89

SPIERFLS_115KV_TB 1 80737	20.19 1.55 -0.44	19.10 1.30 -2.12	18.07 1.33 -1.29	18.33 1.04 -5.10	17.70 1.24 -1.68	19.07 1.32 -2.36	34.60 1.34 -17.91	32.93 1.50 -14.36	36.16 1.36 -14.72	36.90 1.40 -15.19	37.05 1.60 -13.87	36.70 1.50 -13.15	38.57 1.56 -14.08	41.33 1.34 -19.36	42.69 1.28 -20.50	45.95 1.35 -23.76	56.10 1.28 -35.19	54.80 1.82 -27.31	51.02 1.76 -23.67	45.96 1.71 -20.87	42.19 1.72 -17.19	32.40 1.66 -8.55	25.36 1.94 -2.57	21.29 1.66 -0.76
ST LAWRENCE____ 23600	17.84 -0.36 0.00	15.36 -0.31 0.00	15.09 -0.35 0.00	11.94 -0.26 0.00	14.45 -0.33 0.00	15.15 -0.25 0.00	15.10 -0.26 0.00	16.75 -0.32 0.00	19.67 -0.40 0.00	19.88 -0.43 0.00	21.17 -0.41 0.00	21.59 -0.46 0.00	22.44 -0.48 0.00	20.21 -0.41 0.00	20.45 -0.46 0.00	20.41 -0.42 0.00	19.18 -0.45 0.00	25.12 -0.54 0.00	25.07 -0.51 0.00	22.80 -0.58 0.00	22.79 -0.49 0.00	21.72 -0.47 0.00	20.43 -0.42 0.00	18.47 -0.40 0.00
STATE_CA_115KV_115_LB 55624	19.25 0.62 -0.42	18.26 0.52 -2.07	17.25 0.54 -1.26	17.58 0.41 -4.97	16.96 0.55 -1.64	18.19 0.51 -2.29	14.94 0.52 0.94	16.06 0.56 1.57	22.47 0.72 -1.68	21.98 0.73 -0.95	22.17 0.78 0.18	29.85 0.86 -6.93	32.59 0.92 -8.74	31.15 0.80 -9.72	35.14 0.84 -13.39	39.65 0.81 -18.00	47.06 0.77 -26.66	47.28 0.92 -20.69	36.67 0.90 -10.20	40.67 0.87 -16.42	37.64 0.84 -13.53	29.74 0.82 -6.73	23.60 0.73 -2.03	20.24 0.62 -0.75
STATE_ST_34_KV_LOAD 55959	18.52 0.27 -0.04	16.14 0.25 -0.21	15.73 0.15 -0.13	12.78 0.07 -0.52	15.06 0.12 -0.17	15.83 0.20 -0.24	16.09 0.12 -0.61	18.02 0.20 -0.74	20.70 0.22 -0.41	20.95 0.24 -0.41	22.23 0.30 -0.35	22.87 0.33 -0.48	23.74 0.28 -0.54	21.57 0.25 -0.70	21.95 0.23 -0.81	22.07 0.25 -0.99	21.37 0.27 -1.47	27.19 0.28 -1.25	26.91 0.28 -1.05	24.70 0.42 -0.90	24.37 0.35 -0.74	22.87 0.31 -0.37	21.15 0.19 -0.11	19.11 0.17 -0.08
STATION 5_MISC_HYD 23604	18.01 -0.24 -0.04	15.70 -0.19 -0.21	15.49 -0.08 -0.13	12.67 -0.02 -0.50	14.91 -0.03 -0.16	15.48 -0.14 -0.23	15.74 -0.20 -0.58	17.57 -0.22 -0.72	20.08 -0.38 -0.39	20.55 -0.14 -0.39	21.80 -0.11 -0.34	22.29 -0.22 -0.45	23.25 -0.18 -0.51	21.02 -0.27 -0.66	21.32 -0.36 -0.76	21.41 -0.35 -0.93	20.76 -0.26 -1.38	26.17 -0.56 -1.07	25.99 -0.36 -0.77	24.14 -0.09 -0.85	23.81 -0.16 -0.70	22.41 -0.13 -0.35	20.81 -0.14 -0.10	18.87 -0.08 -0.07
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.69 0.00 -0.50	14.95 0.01 -0.16	15.55 -0.08 -0.23	15.86 -0.08 -0.58	17.74 -0.05 -0.71	20.31 -0.14 -0.38	20.71 0.02 -0.38	21.99 0.09 -0.33	22.51 0.00 -0.45	23.48 0.05 -0.51	21.24 -0.04 -0.66	21.57 -0.10 -0.76	21.66 -0.10 -0.93	21.00 -0.02 -1.38	26.55 -0.18 -1.07	26.27 -0.08 -0.77	24.37 0.14 -0.85	24.05 0.07 -0.70	22.60 0.07 -0.35	20.87 -0.08 -0.10	18.94 0.00 -0.07
STA_56_34_KV_BUS2_REV_LBMP_B 345033	17.94 -0.31 -0.04	15.62 -0.27 -0.21	15.40 -0.17 -0.13	12.59 -0.10 -0.49	14.82 -0.12 -0.16	15.41 -0.22 -0.23	15.67 -0.26 -0.57	17.50 -0.29 -0.71	19.99 -0.46 -0.38	20.44 -0.24 -0.38	21.71 -0.19 -0.33	22.20 -0.31 -0.45	23.16 -0.28 -0.51	20.95 -0.33 -0.65	21.25 -0.42 -0.75	21.34 -0.42 -0.92	20.71 -0.29 -1.37	26.10 -0.62 -1.06	25.90 -0.43 -0.76	24.04 -0.19 -0.84	23.71 -0.26 -0.69	22.31 -0.22 -0.34	20.64 -0.31 -0.10	18.77 -0.17 -0.07
STA_56____34_KV_BUS2 355983	17.94 -0.31 -0.04	15.62 -0.27 -0.21	15.40 -0.17 -0.13	12.59 -0.10 -0.49	14.82 -0.12 -0.16	15.41 -0.22 -0.23	15.67 -0.26 -0.57	17.50 -0.29 -0.71	19.99 -0.46 -0.38	20.44 -0.24 -0.38	21.71 -0.19 -0.33	22.20 -0.31 -0.45	23.16 -0.28 -0.51	20.95 -0.33 -0.65	21.25 -0.42 -0.75	21.34 -0.42 -0.92	20.71 -0.29 -1.37	26.10 -0.62 -1.06	25.90 -0.43 -0.76	24.04 -0.19 -0.84	23.71 -0.26 -0.69	22.31 -0.22 -0.34	20.64 -0.31 -0.10	18.77 -0.17 -0.07
STA_67____115KV_BK2 355882	17.98 -0.27 -0.04	15.67 -0.22 -0.21	15.46 -0.11 -0.13	12.64 -0.05 -0.50	14.88 -0.06 -0.16	15.45 -0.17 -0.23	15.70 -0.23 -0.58	17.54 -0.26 -0.72	20.01 -0.44 -0.39	20.49 -0.20 -0.38	21.74 -0.17 -0.33	22.22 -0.29 -0.45	23.18 -0.25 -0.51	20.95 -0.33 -0.66	21.27 -0.40 -0.76	21.35 -0.42 -0.93	20.72 -0.29 -1.38	26.11 -0.62 -1.07	25.91 -0.43 -0.76	24.09 -0.14 -0.84	23.74 -0.23 -0.70	22.36 -0.18 -0.35	20.68 -0.27 -0.10	18.81 -0.13 -0.07
STA_7____115KV_9TRANS 80674	18.12 -0.13 -0.04	15.78 -0.11 -0.21	15.56 -0.02 -0.13	12.72 0.02 -0.50	14.97 0.03 -0.16	15.56 -0.06 -0.23	15.80 -0.14 -0.58	17.64 -0.15 -0.72	20.15 -0.30 -0.39	20.63 -0.06 -0.39	21.91 0.00 -0.33	22.40 -0.11 -0.45	23.39 -0.05 -0.51	21.14 -0.14 -0.66	21.44 -0.23 -0.76	21.52 -0.25 -0.93	20.88 -0.14 -1.38	26.35 -0.38 -1.07	26.14 -0.20 -0.77	24.28 0.05 -0.85	23.95 -0.02 -0.70	22.56 0.02 -0.35	20.85 -0.10 -0.10	18.96 0.02 -0.07
STA_82____115KV_TB1 80780	18.00 -0.25 -0.04	15.67 -0.22 -0.21	15.46 -0.11 -0.13	12.66 -0.04 -0.50	14.89 -0.04 -0.17	15.47 -0.15 -0.23	15.72 -0.22 -0.58	17.56 -0.24 -0.73	20.03 -0.42 -0.39	20.51 -0.18 -0.39	21.76 -0.15 -0.33	22.25 -0.26 -0.46	23.21 -0.23 -0.52	20.98 -0.31 -0.66	21.28 -0.40 -0.76	21.37 -0.40 -0.94	20.73 -0.29 -1.39	26.12 -0.62 -1.08	25.94 -0.41 -0.77	24.10 -0.14 -0.85	23.77 -0.21 -0.70	22.38 -0.16 -0.35	20.70 -0.25 -0.10	18.83 -0.11 -0.07
STEEL____WIND 323596	17.50 -0.76 -0.06	15.27 -0.69 -0.28	15.14 -0.48 -0.17	12.59 -0.28 -0.68	14.64 -0.35 -0.22	15.14 -0.57 -0.31	15.50 -0.66 -0.81	17.22 -0.84 -0.98	19.75 -0.88 -0.56	20.36 -0.51 -0.56	21.54 -0.52 -0.48	22.07 -0.64 -0.65	23.06 -0.60 -0.74	20.81 -0.76 -0.94	21.12 -0.88 -1.09	21.25 -0.92 -1.34	20.86 -0.75 -1.98	25.13 -1.26 -0.73	23.72 -1.20 0.66	24.08 -0.51 -1.21	23.65 -0.63 -1.00	22.22 -0.47 -0.50	20.62 -0.37 -0.15	18.36 -0.60 -0.10
STEPHTWN_115KV_BK_2 55603	19.30 0.67 -0.42	18.29 0.56 -2.04	17.29 0.60 -1.25	17.57 0.46 -4.92	17.00 0.61 -1.62	18.24 0.58 -2.26	11.85 0.61 4.12	13.74 0.67 4.00	20.18 0.84 0.73	19.53 0.87 1.65	19.82 0.93 2.68	28.03 1.01 -4.95	30.84 1.05 -6.87	28.30 0.95 -6.73	32.65 0.96 -10.78	37.20 0.96 -15.41	43.36 0.90 -22.82	44.50 1.13 -17.72	32.92 1.10 -6.24	38.68 1.05 -14.25	36.04 1.02 -11.73	29.03 1.00 -5.84	23.48 0.88 -1.76	20.34 0.74 -0.74
STEBEN_REC_LFGE 323667	18.10 -0.18 -0.07	15.84 -0.20 -0.36	15.56 -0.11 -0.22	13.01 -0.06 -0.87	14.99 -0.07 -0.29	15.59 -0.20 -0.40	16.19 -0.23 -1.06	18.12 -0.22 -1.27	20.61 -0.20 -0.74	21.08 0.04 -0.74	22.32 0.11 -0.63	23.00 0.07 -0.87	24.07 0.16 -0.99	21.89 0.00 -1.26	22.31 -0.06 -1.46	22.52 -0.10 -1.79	22.31 0.02 -2.66	29.33 -0.13 -3.80	30.87 -0.10 -5.39	25.41 0.40 -1.63	24.88 0.26 -1.34	23.17 0.31 -0.67	21.09 0.04 -0.20	18.94 -0.06 -0.13
STONY____BROOK 24151	28.79 1.64 -8.95	26.77 1.38 -9.71	22.69 1.24 -6.00	21.12 1.01 -7.91	20.73 1.20 -4.76	26.46 1.29 -9.78	28.33 1.24 -11.73	28.38 1.48 -9.82	30.93 2.01 -8.86	33.19 2.05 -10.84	37.00 2.03 -13.40	33.63 2.14 -9.43	37.00 2.25 -11.83	34.44 2.02 -11.79	37.02 2.13 -13.98	39.03 2.06 -16.14	40.86 2.00 -19.22	42.67 2.64 -14.36	43.10 2.53 -14.99	37.11 2.39 -11.34	40.73 2.35 -15.10	33.96 2.11 -9.66	31.72 1.98 -8.89	30.32 1.56 -9.89

STURGEON_POOL_HYD 23609	19.43 0.87 -0.35	18.07 0.69 -1.70	17.17 0.68 -1.04	16.83 0.54 -4.10	16.75 0.62 -1.35	17.87 0.58 -1.89	19.62 0.75 -3.51	22.40 0.85 -4.47	23.99 1.24 -2.68	24.10 1.26 -2.53	24.92 1.34 -2.01	27.20 1.19 -3.95	28.80 1.24 -4.64	27.47 1.18 -5.67	29.17 1.30 -6.96	30.88 1.21 -8.84	33.90 1.18 -13.09	37.31 1.49 -10.16	33.44 1.46 -6.41	32.69 1.24 -8.06	31.13 1.21 -6.64	26.67 1.18 -3.30	22.91 1.06 -0.99	20.33 0.85 -0.61
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	19.47 0.95 -0.32	18.02 0.80 -1.54	17.16 0.77 -0.94	16.52 0.61 -3.71	16.72 0.72 -1.22	17.83 0.72 -1.71	20.49 0.74 -4.39	23.35 0.87 -5.41	24.31 1.20 -3.04	24.56 1.24 -3.02	25.49 1.32 -2.60	27.00 1.39 -3.55	28.39 1.44 -4.02	27.12 1.34 -5.15	28.29 1.42 -5.96	29.49 1.35 -7.31	31.77 1.32 -10.82	35.75 1.69 -8.40	33.21 1.61 -6.02	31.47 1.45 -6.64	30.14 1.40 -5.47	26.26 1.35 -2.72	22.90 1.23 -0.82	20.42 1.00 -0.56
SWANROAD_115KV_TB1 355699	17.15 -1.11 -0.05	14.98 -0.96 -0.26	14.89 -0.71 -0.16	12.36 -0.45 -0.62	14.40 -0.58 -0.20	14.85 -0.83 -0.29	15.24 -0.86 -0.74	16.82 -1.16 -0.91	19.15 -1.42 -0.51	19.75 -1.06 -0.51	20.89 -1.12 -0.44	21.37 -1.28 -0.59	22.33 -1.26 -0.67	20.06 -1.42 -0.86	20.36 -1.55 -0.99	20.46 -1.58 -1.22	20.10 -1.34 -1.80	24.37 -2.08 -0.79	23.80 -1.43 0.35	23.27 -1.22 -1.10	22.86 -1.33 -0.91	21.56 -1.09 -0.45	19.90 -1.08 -0.14	18.00 -0.96 -0.09
SYNERGY___BIOGAS 323694	17.89 -0.36 -0.05	15.60 -0.31 -0.24	15.47 -0.12 -0.15	12.74 -0.02 -0.57	14.93 -0.03 -0.19	15.50 -0.15 -0.26	15.80 -0.23 -0.67	17.58 -0.32 -0.83	20.07 -0.46 -0.47	20.65 -0.12 -0.46	21.87 -0.11 -0.40	22.31 -0.29 -0.54	23.33 -0.21 -0.61	21.01 -0.39 -0.78	21.33 -0.48 -0.90	21.42 -0.52 -1.11	20.90 -0.37 -1.64	25.82 -0.69 -0.86	25.27 -0.31 0.00	24.37 -0.02 -1.00	24.01 -0.09 -0.83	22.58 -0.02 -0.41	20.95 -0.02 -0.12	18.84 -0.11 -0.09
SYRACUSE___ENERGY_ST1 323597	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.31	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.51 -0.02 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.47 0.00 -0.28	20.89 -0.04 -0.08	18.95 0.02 -0.06
SYRACUSE___ENERGY_ST2 323598	18.24 0.00 -0.04	15.87 0.02 -0.17	15.60 0.05 -0.11	12.61 0.00 -0.42	14.93 0.01 -0.14	15.55 -0.03 -0.19	15.83 0.00 -0.47	17.73 0.05 -0.60	20.40 0.02 -0.31	20.64 0.02 -0.31	21.89 0.04 -0.27	22.47 0.04 -0.37	23.36 0.02 -0.41	21.16 0.00 -0.53	21.51 -0.02 -0.61	21.59 0.00 -0.75	20.77 0.02 -1.12	26.47 -0.05 -0.87	26.15 -0.05 -0.62	24.12 0.05 -0.68	23.87 0.02 -0.56	22.47 0.00 -0.28	20.89 -0.04 -0.08	18.95 0.02 -0.06
SYRACUSE___POWER 24017	18.19 -0.05 -0.04	15.81 -0.05 -0.18	15.54 -0.02 -0.11	12.60 -0.02 -0.43	14.89 -0.03 -0.14	15.52 -0.08 -0.20	15.81 -0.05 -0.50	17.69 -0.02 -0.63	20.34 -0.06 -0.33	20.59 -0.04 -0.33	21.86 0.00 -0.28	22.42 -0.02 -0.38	23.34 -0.02 -0.43	21.14 -0.04 -0.56	21.49 -0.06 -0.64	21.58 -0.04 -0.79	20.80 0.00 -1.17	26.47 -0.10 -0.91	26.15 -0.08 -0.65	24.13 0.02 -0.72	23.85 -0.02 -0.59	22.46 -0.02 -0.29	20.85 -0.08 -0.09	18.91 -0.02 -0.07
TALLMAN___138KV_BK151 55660	19.59 1.06 -0.33	18.14 0.88 -1.58	17.25 0.83 -0.97	16.68 0.67 -3.81	16.83 0.80 -1.26	17.97 0.82 -1.76	20.70 0.83 -4.51	23.62 0.99 -5.56	24.55 1.36 -3.12	24.81 1.40 -3.10	25.74 1.49 -2.67	27.32 1.61 -3.65	28.73 1.67 -4.13	27.44 1.53 -5.29	28.67 1.63 -6.12	29.89 1.54 -7.51	32.25 1.49 -11.13	36.22 1.92 -8.64	33.61 1.84 -6.19	31.87 1.66 -6.82	30.51 1.61 -5.62	26.50 1.51 -2.80	23.07 1.38 -0.84	20.55 1.11 -0.57
TEALLAVE_115KV_TB7 355573	18.15 -0.09 -0.03	15.75 -0.08 -0.15	15.49 -0.05 -0.09	12.51 -0.05 -0.36	14.83 -0.06 -0.12	15.45 -0.11 -0.17	15.69 -0.08 -0.41	17.55 -0.05 -0.53	20.23 -0.10 -0.26	20.48 -0.08 -0.26	21.74 -0.06 -0.23	22.28 -0.09 -0.31	23.18 -0.09 -0.35	20.97 -0.10 -0.44	21.30 -0.13 -0.51	21.34 -0.12 -0.63	20.49 -0.08 -0.93	26.21 -0.18 -0.73	25.92 -0.18 -0.52	23.89 -0.07 -0.57	23.63 -0.12 -0.47	22.31 -0.11 -0.23	20.77 -0.15 -0.07	18.86 -0.06 -0.05
TELGRAPH_34_KV_EAST 80808	17.62 -0.64 -0.05	15.36 -0.56 -0.25	15.26 -0.34 -0.15	12.62 -0.17 -0.59	14.75 -0.22 -0.20	15.28 -0.38 -0.27	15.59 -0.46 -0.70	17.32 -0.61 -0.86	19.76 -0.78 -0.48	20.35 -0.43 -0.48	21.56 -0.43 -0.41	22.02 -0.60 -0.56	23.01 -0.55 -0.63	20.71 -0.72 -0.81	21.01 -0.84 -0.93	21.10 -0.87 -1.15	20.64 -0.69 -1.70	25.32 -1.15 -0.82	24.69 -0.74 0.15	24.00 -0.42 -1.04	23.62 -0.51 -0.86	22.24 -0.38 -0.43	20.50 -0.48 -0.13	18.54 -0.42 -0.09
TEMPLE___115KV_TB 2 55572	18.15 -0.09 -0.03	15.75 -0.08 -0.15	15.51 -0.03 -0.09	12.51 -0.05 -0.37	14.85 -0.04 -0.12	15.47 -0.09 -0.17	15.69 -0.08 -0.41	17.58 -0.03 -0.54	20.23 -0.10 -0.27	20.49 -0.08 -0.27	21.74 -0.06 -0.23	22.30 -0.07 -0.31	23.21 -0.07 -0.35	21.00 -0.08 -0.45	21.33 -0.10 -0.52	21.37 -0.10 -0.64	20.53 -0.06 -0.95	26.22 -0.18 -0.74	25.95 -0.15 -0.53	23.92 -0.05 -0.58	23.67 -0.09 -0.48	22.34 -0.09 -0.24	20.80 -0.13 -0.07	18.86 -0.06 -0.06
TIANA___69_KV_BK 1 55817	28.83 1.68 -8.95	26.79 1.40 -9.71	22.75 1.30 -6.00	21.18 1.07 -7.91	20.81 1.27 -4.76	26.48 1.31 -9.77	28.41 1.32 -11.73	28.51 1.62 -9.82	31.11 2.19 -8.86	33.38 2.23 -10.84	37.18 2.20 -13.40	33.82 2.34 -9.43	37.23 2.48 -11.83	34.63 2.21 -11.79	37.23 2.34 -13.98	39.26 2.29 -16.14	41.08 2.22 -19.22	42.92 2.90 -14.36	43.38 2.81 -14.99	37.30 2.57 -11.34	40.94 2.56 -15.10	34.13 2.29 -9.66	31.82 2.08 -8.89	30.42 1.66 -9.89
TILDEN___115KV_TB1 80814	18.19 -0.05 -0.04	15.81 -0.05 -0.18	15.54 -0.02 -0.11	12.60 -0.02 -0.43	14.89 -0.03 -0.14	15.52 -0.08 -0.20	15.81 -0.05 -0.50	17.69 -0.02 -0.63	20.34 -0.06 -0.33	20.59 -0.04 -0.33	21.86 0.00 -0.28	22.42 -0.02 -0.38	23.34 -0.02 -0.43	21.14 -0.04 -0.56	21.49 -0.06 -0.64	21.58 -0.04 -0.79	20.80 0.00 -1.17	26.47 -0.10 -0.91	26.15 -0.08 -0.65	24.13 0.02 -0.72	23.85 -0.02 -0.59	22.46 -0.02 -0.29	20.85 -0.08 -0.09	18.91 -0.02 -0.07
TRIGEN___CC 323695	28.61 1.46 -8.95	26.63 1.24 -9.71	22.61 1.16 -6.00	21.05 0.94 -7.91	20.64 1.11 -4.76	26.34 1.17 -9.77	28.22 1.14 -11.73	28.22 1.33 -9.82	30.69 1.77 -8.86	32.93 1.79 -10.84	36.83 1.86 -13.40	33.47 1.99 -9.43	36.82 2.06 -11.83	34.28 1.86 -11.79	36.83 1.94 -13.98	38.84 1.87 -16.14	40.66 1.81 -19.22	42.36 2.33 -14.36	42.82 2.25 -14.99	36.78 2.06 -11.34	40.38 2.00 -15.10	33.71 1.86 -9.66	31.53 1.79 -8.89	30.21 1.45 -9.89
TRINITY___115KV__ 4 BK 55933	19.17 0.55 -0.42	18.20 0.47 -2.05	17.19 0.49 -1.25	17.50 0.38 -4.93	16.90 0.50 -1.63	18.12 0.46 -2.26	12.32 0.48 3.52	14.10 0.51 3.48	20.40 0.64 0.31	19.76 0.65 1.19	20.01 0.67 2.23	28.24 0.77 -5.41	31.01 0.80 -7.28	28.78 0.72 -7.43	33.01 0.75 -11.34	37.48 0.73 -15.92	43.88 0.67 -23.58	44.78 0.82 -18.30	33.57 0.79 -7.19	38.82 0.77 -14.66	36.10 0.74 -12.08	28.93 0.73 -6.01	23.32 0.67 -1.81	20.17 0.57 -0.74

UNION___PROCESSING_DRP 323587	18.00 -0.25 -0.04	15.67 -0.22 -0.21	15.46 -0.11 -0.13	12.66 -0.04 -0.50	14.89 -0.04 -0.17	15.47 -0.15 -0.23	15.72 -0.22 -0.58	17.56 -0.24 -0.73	20.04 -0.42 -0.39	20.51 -0.18 -0.39	21.76 -0.15 -0.33	22.25 -0.26 -0.46	23.21 -0.23 -0.52	20.98 -0.31 -0.66	21.30 -0.38 -0.77	21.37 -0.40 -0.94	20.75 -0.27 -1.39	26.15 -0.59 -1.08	25.94 -0.41 -0.77	24.12 -0.12 -0.85	23.77 -0.21 -0.70	22.38 -0.16 -0.35	20.70 -0.25 -0.11	18.83 -0.11 -0.08
UPPER HUDSON___HYD 24058	20.19 1.55 -0.44	19.10 1.30 -2.12	18.07 1.33 -1.29	18.33 1.04 -5.10	17.70 1.24 -1.68	19.07 1.32 -2.35	34.60 1.34 -17.91	32.93 1.50 -14.36	36.16 1.37 -14.72	36.90 1.40 -15.19	37.05 1.60 -13.87	36.70 1.50 -13.15	38.57 1.56 -14.08	41.33 1.34 -19.36	42.69 1.28 -20.50	45.95 1.35 -23.76	56.10 1.28 -35.19	54.80 1.82 -27.31	51.01 1.76 -23.67	45.96 1.71 -20.87	42.19 1.72 -17.19	32.38 1.64 -8.55	25.36 1.94 -2.57	21.29 1.66 -0.76
UPPER RAQUET___HYD 24056	18.19 -0.02 0.00	15.66 -0.02 0.00	15.35 -0.09 0.00	12.12 -0.07 0.00	14.69 -0.09 0.00	15.38 -0.02 0.00	15.36 0.00 0.00	17.04 -0.03 0.00	19.99 -0.08 0.00	20.18 -0.12 0.00	21.49 -0.09 0.00	21.91 -0.15 0.00	22.74 -0.18 0.00	20.50 -0.12 0.00	20.72 -0.19 0.00	20.64 -0.19 0.00	19.20 -0.43 0.00	25.15 -0.51 0.00	25.09 -0.49 0.00	22.80 -0.58 0.00	23.09 -0.19 0.00	22.12 -0.07 0.00	20.79 -0.06 0.00	18.77 -0.09 0.00
VALLEY44_115KV_TB2 355964	17.16 -1.11 -0.06	14.97 -1.02 -0.31	14.76 -0.88 -0.19	12.35 -0.60 -0.75	14.31 -0.71 -0.25	14.85 -0.89 -0.35	15.32 -0.94 -0.90	17.10 -1.09 -1.12	19.89 -0.82 -0.65	20.46 -0.49 -0.64	21.68 -0.45 -0.56	22.24 -0.57 -0.75	23.27 -0.50 -0.85	21.08 -0.64 -1.09	21.44 -0.73 -1.26	21.61 -0.77 -1.55	21.29 -0.63 -2.29	26.28 -0.92 -1.54	25.03 -1.33 -0.78	24.44 -0.35 -1.40	23.90 -0.54 -1.15	22.39 -0.38 -0.57	20.48 -0.54 -0.17	18.06 -0.92 -0.11
VALLEY___115KV_TB 1-4 80826	17.90 -0.31 0.00	15.40 -0.28 0.00	15.21 -0.23 0.00	12.00 -0.20 0.00	14.55 -0.22 0.00	15.08 -0.31 0.00	15.13 -0.23 0.00	16.80 -0.27 0.00	19.75 -0.32 0.00	19.98 -0.32 0.00	21.23 -0.35 0.00	21.73 -0.33 0.00	22.58 -0.34 0.00	20.34 -0.29 0.00	20.64 -0.27 0.00	20.60 -0.23 0.00	19.46 -0.18 0.00	25.48 -0.18 0.00	25.42 -0.15 0.00	23.32 -0.07 0.00	23.26 -0.02 0.00	22.19 0.00 0.00	20.81 -0.04 0.00	18.85 -0.02 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	19.11 0.76 -0.14	17.00 0.64 -0.68	16.41 0.56 -0.41	14.24 0.41 -1.63	15.83 0.52 -0.54	16.76 0.62 -0.75	18.67 0.55 -2.76	20.09 0.63 -2.38	23.35 0.84 -2.44	23.58 0.85 -2.42	24.57 0.91 -2.09	25.80 0.97 -2.77	27.05 0.99 -3.14	25.52 0.87 -4.02	26.47 0.90 -4.66	27.44 0.90 -5.71	28.94 0.84 -8.46	33.33 1.10 -6.57	31.33 1.05 -4.71	29.59 1.05 -5.15	28.57 1.05 -4.25	25.28 0.98 -2.11	22.32 0.83 -0.64	19.81 0.70 -0.24
VISCHER___FERRY HYD 24020	19.54 0.91 -0.43	18.53 0.78 -2.07	17.51 0.80 -1.27	17.83 0.65 -4.99	17.20 0.78 -1.65	18.49 0.80 -2.30	44.50 0.84 -28.30	43.01 0.90 -25.04	41.58 1.12 -20.39	43.16 1.14 -21.72	43.49 1.19 -20.73	38.42 1.23 -15.12	39.08 1.31 -14.85	44.55 1.15 -22.77	43.01 1.17 -20.93	43.69 1.14 -21.71	52.89 1.10 -32.16	52.03 1.41 -24.96	56.53 1.38 -29.57	43.03 1.26 -18.38	39.65 1.23 -15.14	30.92 1.20 -7.53	24.26 1.15 -2.27	20.61 1.00 -0.75
V_A_10_SYNC_DSASP 323832	17.60 -0.66 -0.05	15.35 -0.56 -0.23	15.23 -0.36 -0.14	12.55 -0.21 -0.56	14.71 -0.25 -0.18	15.19 -0.46 -0.26	15.48 -0.54 -0.66	17.20 -0.68 -0.81	19.55 -0.96 -0.44	20.10 -0.65 -0.44	21.29 -0.67 -0.38	21.78 -0.79 -0.52	22.73 -0.78 -0.59	20.49 -0.89 -0.75	20.80 -0.98 -0.87	20.90 -1.00 -1.07	20.39 -0.82 -1.58	25.11 -1.39 -0.84	24.49 -1.07 0.01	23.67 -0.68 -0.97	23.28 -0.79 -0.80	21.94 -0.64 -0.40	20.28 -0.69 -0.12	18.46 -0.49 -0.08
V_CMM_10_SYNC_DSASP 323787	17.92 -0.29 0.00	15.43 -0.25 0.00	15.15 -0.29 0.00	11.99 -0.21 0.00	14.51 -0.27 0.00	15.19 -0.20 0.00	15.16 -0.20 0.00	16.82 -0.26 0.00	19.74 -0.32 0.00	19.96 -0.35 0.00	21.23 -0.35 0.00	21.68 -0.38 0.00	22.51 -0.41 0.00	20.30 -0.33 0.00	20.54 -0.38 0.00	20.50 -0.33 0.00	19.26 -0.37 0.00	25.20 -0.46 0.00	25.14 -0.43 0.00	22.87 -0.51 0.00	22.86 -0.42 0.00	21.81 -0.38 0.00	20.51 -0.33 0.00	18.53 -0.34 0.00
V_CMP_10_SYNC_DSASP 323788	18.52 0.31 0.00	15.93 0.25 0.00	15.48 0.03 0.00	12.27 0.07 0.00	14.79 0.01 0.00	15.49 0.09 0.00	15.30 -0.06 0.00	16.90 -0.17 0.00	19.80 -0.26 0.00	20.08 -0.22 0.00	21.40 -0.17 0.00	21.75 -0.31 0.00	22.56 -0.37 0.00	20.40 -0.23 0.00	20.62 -0.29 0.00	20.66 -0.17 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.30 -0.28 0.00	22.92 -0.47 0.00	22.95 -0.33 0.00	21.86 -0.33 0.00	20.62 -0.23 0.00	18.62 -0.25 0.00
V_E_10_SYNC_DSASP 323830	19.44 1.13 -0.10	17.09 0.91 -0.50	16.68 0.93 -0.31	13.99 0.59 -1.21	15.95 0.78 -0.40	16.73 0.78 -0.56	17.98 0.92 -1.70	19.84 1.01 -1.76	22.59 1.16 -1.36	22.73 1.08 -1.35	23.86 1.12 -1.16	24.83 1.21 -1.56	25.90 1.21 -1.76	23.94 1.05 -2.26	24.61 1.09 -2.61	25.27 1.23 -3.21	25.64 1.26 -4.75	31.23 1.75 -3.82	30.26 1.74 -2.95	28.25 1.96 -2.90	27.65 1.98 -2.39	25.13 1.75 -1.19	22.58 1.38 -0.36	20.22 1.17 -0.18
V_F_30_NSYNC___DSASP 323816	19.90 1.26 -0.43	18.86 1.07 -2.11	17.83 1.10 -1.29	18.14 0.87 -5.08	17.48 1.03 -1.68	18.83 1.09 -2.34	35.73 1.09 -19.28	34.04 1.21 -15.76	36.91 1.37 -15.48	37.78 1.42 -16.06	37.91 1.55 -14.78	37.05 1.57 -13.42	38.75 1.63 -14.20	41.88 1.42 -19.83	42.92 1.42 -20.58	45.79 1.44 -23.52	55.82 1.35 -34.83	54.47 1.77 -27.04	51.79 1.74 -24.47	45.61 1.66 -20.57	41.88 1.65 -16.94	32.19 1.58 -8.43	24.95 1.56 -2.54	20.97 1.34 -0.76
V_F_30_SYNC_DSASP 323786	19.23 0.60 -0.42	18.26 0.52 -2.06	17.25 0.54 -1.26	17.58 0.41 -4.97	16.96 0.55 -1.64	18.18 0.51 -2.28	14.74 0.52 1.14	15.92 0.56 1.72	22.32 0.72 -1.53	21.81 0.73 -0.78	22.01 0.78 0.34	29.74 0.86 -6.82	32.48 0.92 -8.64	30.98 0.80 -9.55	34.99 0.84 -13.24	39.48 0.81 -17.84	46.80 0.75 -26.42	47.09 0.92 -20.51	36.46 0.90 -9.98	40.53 0.87 -16.28	37.53 0.84 -13.41	29.68 0.82 -6.67	23.59 0.73 -2.01	20.23 0.62 -0.75
V_XM_10_SYNC_DSASP 323789	18.52 0.31 0.00	15.93 0.25 0.00	15.48 0.03 0.00	12.27 0.07 0.00	14.79 0.01 0.00	15.49 0.09 0.00	15.30 -0.06 0.00	16.90 -0.17 0.00	19.80 -0.26 0.00	20.08 -0.22 0.00	21.40 -0.17 0.00	21.75 -0.31 0.00	22.56 -0.37 0.00	20.40 -0.23 0.00	20.62 -0.29 0.00	20.66 -0.17 0.00	19.36 -0.27 0.00	25.33 -0.33 0.00	25.30 -0.28 0.00	22.92 -0.47 0.00	22.95 -0.33 0.00	21.86 -0.33 0.00	20.62 -0.23 0.00	18.62 -0.25 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.65 1.11 -0.33	18.21 0.94 -1.59	17.31 0.90 -0.97	16.74 0.71 -3.83	16.88 0.84 -1.27	18.02 0.86 -1.77	20.77 0.88 -4.54	23.69 1.02 -5.59	24.63 1.42 -3.14	24.89 1.46 -3.12	25.84 1.58 -2.69	27.40 1.68 -3.67	28.82 1.74 -4.15	27.54 1.59 -5.32	28.77 1.69 -6.16	30.01 1.62 -7.56	32.40 1.57 -11.19	36.38 2.03 -8.69	33.75 1.94 -6.22	31.98 1.73 -6.87	30.61 1.68 -5.66	26.58 1.58 -2.81	23.13 1.44 -0.85	20.61 1.17 -0.58

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	19.80 1.26 -0.34	18.39 1.07 -1.65	17.46 1.00 -1.01	17.00 0.83 -3.97	17.06 0.98 -1.31	18.21 0.99 -1.83	21.07 1.01 -4.70	24.09 1.23 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.18 1.81 -2.79	27.83 1.96 -3.80	29.25 2.02 -4.31	27.96 1.82 -5.52	29.20 1.90 -6.39	30.48 1.81 -7.84	32.98 1.75 -11.60	36.93 2.26 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.03 1.89 -5.86	26.86 1.75 -2.92	23.37 1.65 -0.88	20.74 1.28 -0.60
W50THST__13_KV_LOAD 356117	19.88 1.33 -0.34	18.44 1.11 -1.65	17.52 1.07 -1.01	17.03 0.87 -3.97	17.12 1.03 -1.31	18.27 1.05 -1.83	21.15 1.09 -4.70	24.18 1.31 -5.79	25.11 1.79 -3.26	25.35 1.81 -3.23	26.31 1.94 -2.79	27.96 2.10 -3.80	29.39 2.15 -4.31	28.08 1.94 -5.52	29.33 2.03 -6.39	30.58 1.92 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.28 2.25 -6.45	32.54 2.03 -7.12	31.14 2.00 -5.86	26.95 1.84 -2.92	23.46 1.73 -0.88	20.80 1.34 -0.60
WADING RIVER_IC_1 23522	28.55 1.40 -8.95	26.55 1.16 -9.71	22.53 1.08 -6.00	21.01 0.90 -7.91	20.60 1.06 -4.76	26.26 1.09 -9.78	28.18 1.09 -11.73	28.24 1.35 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.75 1.99 -11.83	34.22 1.79 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.43 2.41 -14.36	42.89 2.33 -14.99	36.88 2.15 -11.34	40.50 2.12 -15.10	33.71 1.86 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
WADING RIVER_IC_2 23547	28.55 1.40 -8.95	26.55 1.16 -9.71	22.53 1.08 -6.00	21.01 0.90 -7.91	20.60 1.06 -4.76	26.26 1.09 -9.78	28.18 1.09 -11.73	28.24 1.35 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.75 1.99 -11.83	34.22 1.79 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.43 2.41 -14.36	42.89 2.33 -14.99	36.88 2.15 -11.34	40.50 2.12 -15.10	33.71 1.86 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
WADING RIVER_IC_3 23601	28.55 1.40 -8.95	26.55 1.16 -9.71	22.53 1.08 -6.00	21.01 0.90 -7.91	20.60 1.06 -4.76	26.26 1.09 -9.78	28.18 1.09 -11.73	28.24 1.35 -9.82	30.75 1.83 -8.86	32.99 1.85 -10.84	36.76 1.79 -13.40	33.38 1.90 -9.43	36.75 1.99 -11.83	34.22 1.79 -11.79	36.79 1.90 -13.98	38.86 1.90 -16.14	40.70 1.84 -19.22	42.43 2.41 -14.36	42.89 2.33 -14.99	36.88 2.15 -11.34	40.50 2.12 -15.10	33.71 1.86 -9.66	31.51 1.77 -8.89	30.13 1.38 -9.89
WALDENNY_12_KV_BK2 80841	17.52 -0.75 -0.06	15.27 -0.69 -0.28	15.14 -0.48 -0.17	12.60 -0.27 -0.67	14.65 -0.34 -0.22	15.13 -0.57 -0.31	15.51 -0.65 -0.80	17.23 -0.82 -0.98	19.74 -0.88 -0.56	20.35 -0.51 -0.55	21.53 -0.52 -0.48	22.06 -0.64 -0.64	23.06 -0.60 -0.73	20.80 -0.76 -0.93	21.11 -0.88 -1.08	21.24 -0.92 -1.32	20.85 -0.75 -1.96	25.11 -1.28 -0.74	23.83 -1.13 0.62	24.07 -0.51 -1.20	23.64 -0.63 -0.99	22.22 -0.47 -0.49	20.45 -0.54 -0.15	18.36 -0.60 -0.10
WALDEN__HYDRO 24148	19.59 1.06 -0.33	18.16 0.88 -1.61	17.26 0.83 -0.98	16.70 0.63 -3.87	16.80 0.75 -1.28	17.95 0.77 -1.78	20.73 0.78 -4.59	23.60 0.89 -5.64	24.50 1.24 -3.19	24.75 1.28 -3.16	25.66 1.36 -2.73	27.17 1.39 -3.72	28.58 1.45 -4.21	27.36 1.34 -5.40	28.62 1.46 -6.25	29.89 1.40 -7.66	32.33 1.35 -11.35	36.21 1.75 -8.81	33.60 1.71 -6.31	31.85 1.50 -6.96	30.46 1.44 -5.74	26.44 1.40 -2.85	23.00 1.29 -0.86	20.48 1.04 -0.58
WARRENSBURG____ 23737	20.19 1.55 -0.44	19.10 1.30 -2.12	18.07 1.33 -1.29	18.33 1.04 -5.10	17.70 1.24 -1.68	19.07 1.32 -2.35	34.60 1.34 -17.91	32.93 1.50 -14.36	36.16 1.37 -14.72	36.90 1.40 -15.19	37.05 1.60 -13.87	36.70 1.50 -13.15	38.57 1.56 -14.08	41.33 1.34 -19.36	42.69 1.28 -20.50	45.95 1.35 -23.76	56.10 1.28 -35.19	54.80 1.82 -27.31	51.01 1.76 -23.67	45.96 1.71 -20.87	42.19 1.72 -17.19	32.38 1.64 -8.55	25.36 1.94 -2.57	21.29 1.66 -0.76
WATERSIDE____6 8 9 23538	19.86 1.31 -0.35	18.44 1.11 -1.65	17.50 1.05 -1.01	17.02 0.85 -3.97	17.10 1.02 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.09 1.23 -5.79	24.97 1.65 -3.26	25.20 1.66 -3.23	26.15 1.79 -2.79	27.85 1.99 -3.80	29.27 2.04 -4.31	27.98 1.84 -5.52	29.22 1.92 -6.39	30.48 1.81 -7.84	33.02 1.79 -11.60	36.95 2.28 -9.01	34.15 2.12 -6.45	32.42 1.92 -7.12	31.05 1.91 -5.86	26.86 1.75 -2.92	23.44 1.71 -0.88	20.74 1.28 -0.60
WATKINRD_115KV_LN8_ILLION 55919	18.10 -0.11 0.00	15.58 -0.09 0.00	15.38 -0.06 0.00	12.13 -0.06 0.00	14.71 -0.06 0.00	15.29 -0.11 0.00	15.30 -0.06 0.00	16.99 -0.09 0.00	19.97 -0.10 0.00	20.20 -0.10 0.00	21.47 -0.11 0.00	21.95 -0.11 0.00	22.83 -0.09 0.00	20.54 -0.08 0.00	20.85 -0.06 0.00	20.79 -0.04 0.00	19.59 -0.04 0.00	25.66 0.00 0.00	25.58 0.00 0.00	23.43 0.05 0.00	23.35 0.07 0.00	22.26 0.07 0.00	20.89 0.04 0.00	18.90 0.04 0.00
WATSON____69_KV_BK 1 55734	28.96 1.80 -8.95	26.90 1.51 -9.71	22.85 1.41 -6.00	21.24 1.13 -7.91	20.89 1.36 -4.76	26.60 1.43 -9.77	28.52 1.43 -11.73	28.60 1.71 -9.82	31.17 2.25 -8.86	33.44 2.29 -10.84	37.28 2.31 -13.40	33.89 2.40 -9.43	37.32 2.57 -11.83	34.69 2.27 -11.79	37.31 2.43 -13.98	39.34 2.37 -16.14	41.15 2.30 -19.22	43.02 3.00 -14.36	43.48 2.92 -14.99	37.41 2.69 -11.34	41.06 2.68 -15.10	34.27 2.42 -9.66	31.97 2.23 -8.89	30.55 1.79 -9.89
WDELAWARE__HYD 323627	19.19 0.67 -0.31	17.72 0.55 -1.49	16.76 0.40 -0.91	16.07 0.28 -3.59	16.27 0.31 -1.19	17.48 0.43 -1.66	20.04 0.34 -4.34	22.70 0.39 -5.24	23.81 0.68 -3.06	24.04 0.69 -3.04	24.91 0.71 -2.62	26.37 0.73 -3.59	27.74 0.76 -4.06	26.57 0.74 -5.20	27.81 0.88 -6.02	29.03 0.81 -7.38	31.39 0.82 -10.94	35.18 1.03 -8.49	32.68 1.02 -6.08	30.93 0.82 -6.72	29.61 0.79 -5.54	25.72 0.78 -2.75	22.34 0.67 -0.83	19.89 0.49 -0.54
WEST BABYLON__IC 23714	28.90 1.75 -8.95	26.88 1.49 -9.71	22.84 1.39 -6.00	21.23 1.12 -7.91	20.88 1.34 -4.76	26.57 1.40 -9.77	28.47 1.38 -11.73	28.53 1.64 -9.82	31.09 2.17 -8.86	33.34 2.19 -10.84	37.20 2.22 -13.40	33.82 2.34 -9.43	37.23 2.48 -11.83	34.63 2.21 -11.79	37.23 2.34 -13.98	39.26 2.29 -16.14	41.08 2.22 -19.22	42.92 2.90 -14.36	43.38 2.81 -14.99	37.30 2.57 -11.34	40.94 2.56 -15.10	34.18 2.33 -9.66	31.89 2.15 -8.89	30.51 1.75 -9.89
WEST CANADA__HYD 24049	18.26 0.05 0.00	15.71 0.03 0.00	15.49 0.05 0.00	12.23 0.04 0.00	14.82 0.04 0.00	15.42 0.03 0.00	15.40 0.05 0.00	17.12 0.05 0.00	20.13 0.06 0.00	20.37 0.06 0.00	21.62 0.04 0.00	22.13 0.07 0.00	22.99 0.07 0.00	20.69 0.06 0.00	20.98 0.06 0.00	20.89 0.06 0.00	19.69 0.06 0.00	25.74 0.08 0.00	25.66 0.08 0.00	23.48 0.09 0.00	23.37 0.09 0.00	22.28 0.09 0.00	20.91 0.06 0.00	18.94 0.08 0.00
WESTERN_NY_WIND 24143	17.86 -0.40 -0.05	15.58 -0.34 -0.24	15.45 -0.14 -0.15	12.74 -0.04 -0.58	14.92 -0.04 -0.19	15.49 -0.17 -0.27	15.79 -0.25 -0.68	17.57 -0.34 -0.84	20.06 -0.48 -0.47	20.63 -0.14 -0.47	21.83 -0.15 -0.41	22.30 -0.31 -0.55	23.29 -0.25 -0.62	20.98 -0.43 -0.79	21.31 -0.52 -0.91	21.39 -0.56 -1.12	20.88 -0.41 -1.66	25.76 -0.74 -0.84	25.16 -0.36 0.06	24.33 -0.07 -1.02	23.98 -0.14 -0.84	22.57 -0.04 -0.42	20.91 -0.06 -0.12	18.80 -0.15 -0.09

WESTOVER___LESR 323668	18.37 0.05 -0.11	16.25 0.05 -0.53	15.86 0.09 -0.32	13.55 0.09 -1.27	15.30 0.10 -0.42	16.01 0.03 -0.59	17.01 0.06 -1.59	19.02 0.09 -1.86	21.41 0.18 -1.16	21.72 0.26 -1.15	22.87 0.30 -1.00	23.71 0.31 -1.34	24.78 0.34 -1.51	22.82 0.25 -1.94	23.41 0.25 -2.25	23.84 0.25 -2.76	23.99 0.27 -4.08	29.14 0.31 -3.17	28.13 0.28 -2.27	26.35 0.47 -2.50	25.71 0.37 -2.06	23.59 0.38 -1.02	21.41 0.25 -0.31	19.24 0.19 -0.19
WETHRSFD_WT_PWR 323626	17.60 -0.67 -0.06	15.36 -0.63 -0.31	15.16 -0.48 -0.19	12.63 -0.32 -0.75	14.64 -0.38 -0.25	15.17 -0.57 -0.35	15.60 -0.66 -0.90	17.33 -0.84 -1.10	19.82 -0.88 -0.63	20.34 -0.59 -0.63	21.54 -0.58 -0.54	22.15 -0.64 -0.73	23.20 -0.55 -0.83	20.97 -0.72 -1.06	21.32 -0.82 -1.23	21.44 -0.90 -1.51	21.08 -0.79 -2.23	23.47 -1.23 0.96	19.67 -1.15 4.76	24.19 -0.56 -1.37	23.73 -0.68 -1.13	22.24 -0.51 -0.56	20.58 -0.44 -0.17	18.41 -0.57 -0.11
WHAVSTOR_138KV_BK127 55557	19.57 1.04 -0.33	18.15 0.88 -1.60	17.25 0.83 -0.97	16.70 0.67 -3.84	16.84 0.80 -1.27	17.98 0.82 -1.77	20.73 0.83 -4.54	23.64 0.97 -5.60	24.56 1.34 -3.14	24.81 1.38 -3.12	25.76 1.49 -2.69	27.32 1.59 -3.67	28.76 1.67 -4.16	27.46 1.51 -5.33	28.67 1.59 -6.17	29.92 1.52 -7.57	32.31 1.47 -11.21	36.26 1.90 -8.70	33.63 1.82 -6.23	31.90 1.64 -6.87	30.52 1.58 -5.66	26.49 1.49 -2.82	23.07 1.38 -0.85	20.54 1.09 -0.58
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.57 1.04 -0.33	18.15 0.88 -1.60	17.25 0.83 -0.97	16.70 0.67 -3.84	16.84 0.80 -1.27	17.98 0.82 -1.77	20.73 0.83 -4.54	23.64 0.97 -5.60	24.56 1.34 -3.14	24.81 1.38 -3.12	25.76 1.49 -2.69	27.32 1.59 -3.67	28.76 1.67 -4.16	27.46 1.51 -5.33	28.67 1.59 -6.17	29.92 1.52 -7.57	32.31 1.47 -11.21	36.26 1.90 -8.70	33.63 1.82 -6.23	31.90 1.64 -6.87	30.52 1.58 -5.66	26.49 1.49 -2.82	23.07 1.38 -0.85	20.54 1.09 -0.58
WHITEHAL_115KV_TB1 80871	20.64 2.00 -0.43	19.47 1.68 -2.11	18.44 1.70 -1.29	18.62 1.34 -5.09	18.05 1.60 -1.68	19.45 1.71 -2.35	35.57 1.74 -18.48	33.97 1.96 -14.94	37.05 1.95 -15.04	37.93 2.07 -15.55	38.16 2.33 -14.25	37.59 2.27 -13.26	39.42 2.36 -14.13	42.23 2.04 -19.56	43.39 1.94 -20.54	46.53 2.04 -23.66	56.62 1.94 -35.04	55.48 2.62 -27.20	52.19 2.61 -24.01	46.66 2.53 -20.74	42.91 2.54 -17.09	33.11 2.42 -8.50	25.91 2.50 -2.56	21.78 2.15 -0.76
WHITEPLN_13_KV_LOAD 356215	19.78 1.24 -0.34	18.38 1.05 -1.65	17.49 1.03 -1.01	17.00 0.84 -3.96	17.09 1.00 -1.31	18.20 0.99 -1.83	21.09 1.04 -4.69	24.10 1.25 -5.78	25.02 1.71 -3.25	25.28 1.75 -3.23	26.21 1.86 -2.78	27.86 2.01 -3.80	29.38 2.15 -4.30	28.01 1.88 -5.51	29.21 1.92 -6.37	30.51 1.85 -7.82	33.02 1.81 -11.58	36.98 2.33 -8.99	34.27 2.25 -6.44	32.52 2.03 -7.10	31.11 1.98 -5.85	26.92 1.82 -2.91	23.39 1.67 -0.88	20.80 1.34 -0.59
WM_FLOYD_69_KV_BK2 356380	28.66 1.51 -8.95	26.66 1.27 -9.71	22.62 1.17 -6.00	21.07 0.96 -7.91	20.69 1.15 -4.76	26.35 1.19 -9.77	28.29 1.20 -11.73	28.34 1.45 -9.82	30.89 1.97 -8.86	33.14 1.99 -10.84	36.92 1.94 -13.40	33.54 2.05 -9.43	36.93 2.18 -11.83	34.36 1.94 -11.79	36.96 2.07 -13.98	38.99 2.02 -16.14	40.82 1.96 -19.22	42.61 2.59 -14.36	43.07 2.51 -14.99	37.04 2.32 -11.34	40.69 2.30 -15.10	33.89 2.04 -9.66	31.64 1.90 -8.89	30.26 1.51 -9.89
WOODARD__115KV_TB2 355635	18.11 -0.13 -0.03	15.72 -0.11 -0.15	15.48 -0.06 -0.09	12.49 -0.07 -0.37	14.82 -0.07 -0.12	15.44 -0.12 -0.17	15.66 -0.11 -0.41	17.54 -0.07 -0.53	20.19 -0.14 -0.27	20.45 -0.12 -0.27	21.68 -0.13 -0.23	22.24 -0.13 -0.31	23.14 -0.14 -0.35	20.93 -0.14 -0.45	21.27 -0.17 -0.52	21.30 -0.17 -0.64	20.46 -0.12 -0.95	26.16 -0.23 -0.74	25.88 -0.23 -0.53	23.85 -0.12 -0.58	23.59 -0.16 -0.48	22.27 -0.16 -0.24	20.75 -0.17 -0.07	18.83 -0.09 -0.06
YORK___WARBASSE 23770	19.96 1.40 -0.35	18.50 1.18 -1.65	17.53 1.08 -1.01	17.06 0.89 -3.97	17.13 1.05 -1.31	18.21 0.99 -1.83	21.06 1.00 -4.70	24.08 1.21 -5.79	24.99 1.67 -3.26	25.22 1.69 -3.23	26.20 1.83 -2.79	27.91 2.05 -3.80	29.34 2.11 -4.31	28.04 1.90 -5.52	29.29 1.99 -6.39	30.54 1.87 -7.84	33.10 1.87 -11.60	37.05 2.39 -9.01	34.26 2.23 -6.45	32.51 2.01 -7.12	31.12 1.98 -5.86	26.93 1.82 -2.92	23.54 1.81 -0.88	20.80 1.34 -0.60