

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

04/30/2023

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	22.86	21.31	20.10	19.24	19.53	19.85	21.14	20.98	23.31	24.63	27.31	27.75	28.19	25.28	25.11	24.59	25.31	29.52	32.72	33.56	33.37	27.94	24.57	23.05
24138	1.52	1.29	1.10	0.91	1.08	1.41	1.42	1.43	1.83	1.99	1.90	2.05	2.10	2.11	2.08	2.05	2.06	2.26	2.37	2.54	2.69	2.54	1.96	1.43
	-6.15	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.13	-5.35	-4.60	0.00	-2.03	-6.68
74TH STREET_GT_1	22.86	21.33	20.10	19.24	19.54	19.85	21.13	20.97	23.29	24.60	27.31	27.73	28.17	25.28	25.11	24.59	25.31	29.52	32.72	33.56	33.34	27.94	24.57	23.04
24260	1.52	1.31	1.10	0.91	1.09	1.41	1.41	1.41	1.81	1.97	1.90	2.03	2.08	2.11	2.08	2.05	2.06	2.26	2.37	2.54	2.66	2.54	1.96	1.42
	-6.15	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.68
74TH STREET_GT_2	22.86	21.33	20.10	19.24	19.54	19.85	21.13	20.97	23.29	24.60	27.31	27.73	28.17	25.28	25.11	24.59	25.31	29.52	32.72	33.56	33.34	27.94	24.57	23.04
24261	1.52	1.31	1.10	0.91	1.09	1.41	1.41	1.41	1.81	1.97	1.90	2.03	2.08	2.11	2.08	2.05	2.06	2.26	2.37	2.54	2.66	2.54	1.96	1.42
	-6.15	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.68
ADK HUDSON___FALLS	24.01	22.73	21.81	21.30	21.03	20.31	21.92	21.83	23.69	24.74	28.41	28.50	28.96	25.27	25.10	24.52	25.41	30.09	33.88	34.48	33.90	27.32	24.52	24.26
24011	1.00	0.86	0.72	0.63	0.81	1.09	1.05	1.04	1.43	1.72	1.66	1.69	1.73	1.72	1.69	1.64	1.61	1.84	1.86	2.00	1.96	1.90	1.40	0.96
	-7.82	-8.69	-9.82	-11.01	-8.33	-3.60	-5.38	-5.79	-3.63	-1.85	-6.31	-5.21	-5.32	-1.75	-1.76	-1.56	-2.55	-4.70	-7.80	-6.80	-5.86	-0.01	-2.55	-8.37
ADK RESOURCE___RCVRY	24.00	22.71	21.76	21.25	21.00	20.34	21.95	21.85	23.77	24.85	28.48	28.58	29.03	25.40	25.23	24.63	25.53	30.19	33.98	34.57	33.96	27.45	24.58	24.25
23798	1.06	0.91	0.76	0.67	0.86	1.16	1.13	1.11	1.55	1.84	1.78	1.81	1.86	1.87	1.84	1.77	1.76	1.98	2.03	2.16	2.09	2.06	1.48	1.02
	-7.75	-8.61	-9.74	-10.92	-8.26	-3.57	-5.34	-5.74	-3.60	-1.83	-6.25	-5.16	-5.27	-1.73	-1.74	-1.55	-2.53	-4.66	-7.73	-6.74	-5.80	0.00	-2.52	-8.29
ADK S GLENS___FALLS	24.01	22.73	21.81	21.30	21.03	20.31	21.92	21.83	23.69	24.74	28.41	28.50	28.96	25.27	25.10	24.52	25.41	30.09	33.88	34.48	33.90	27.32	24.52	24.26
24028	1.00	0.86	0.72	0.63	0.81	1.09	1.05	1.04	1.43	1.72	1.66	1.69	1.73	1.72	1.69	1.64	1.61	1.84	1.86	2.00	1.96	1.90	1.40	0.96
	-7.82	-8.69	-9.82	-11.01	-8.33	-3.60	-5.38	-5.79	-3.63	-1.85	-6.31	-5.21	-5.32	-1.75	-1.76	-1.56	-2.55	-4.70	-7.80	-6.80	-5.86	-0.01	-2.55	-8.37
ADK_NYS___DAM	23.63	22.33	21.36	20.78	20.61	20.07	21.67	21.49	23.41	24.47	27.91	28.05	28.48	24.98	24.81	24.29	25.13	29.66	33.31	33.97	33.50	27.20	24.40	23.84
23527	0.99	0.87	0.73	0.63	0.78	1.03	1.05	0.97	1.32	1.53	1.45	1.49	1.51	1.53	1.49	1.49	1.46	1.62	1.67	1.82	1.85	1.80	1.40	0.93
	-7.45	-8.27	-9.36	-10.49	-7.94	-3.43	-5.13	-5.52	-3.46	-1.76	-6.01	-4.96	-5.06	-1.67	-1.67	-1.49	-2.43	-4.48	-7.43	-6.48	-5.57	0.00	-2.43	-7.98
AIR_PRODUCTS___DRP	23.05	21.81	20.93	20.42	20.19	19.57	21.09	21.01	22.76	23.69	27.14	27.32	27.74	24.24	24.09	23.56	24.40	28.85	32.43	33.04	32.54	26.33	23.69	23.32
24190	0.46	0.40	0.36	0.33	0.42	0.55	0.51	0.53	0.69	0.76	0.72	0.78	0.79	0.78	0.78	0.77	0.74	0.85	0.82	0.92	0.91	0.91	0.70	0.46
	-7.40	-8.23	-9.30	-10.43	-7.89	-3.41	-5.10	-5.48	-3.43	-1.75	-5.97	-4.93	-5.04	-1.66	-1.67	-1.48	-2.41	-4.45	-7.39	-6.44	-5.55	-0.01	-2.42	-7.92
AKWESSNE_115KV_BK	14.85	12.90	11.04	9.48	11.63	15.25	15.14	14.67	18.22	20.74	20.00	21.12	21.40	21.28	21.15	20.80	20.76	23.03	23.66	24.31	24.43	24.13	20.13	14.62
355683	-0.36	-0.32	-0.26	-0.22	-0.29	-0.37	-0.36	-0.35	-0.43	-0.44	-0.47	-0.50	-0.53	-0.52	-0.50	-0.51	-0.49	-0.54	-0.58	-0.69	-0.73	-0.66	-0.45	-0.34
	-0.03	-0.03	-0.03	-0.04	-0.03	-0.01	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.03	0.67	0.92	0.61	-0.01	-0.03
ALBANY___1	23.05	21.81	20.93	20.42	20.19	19.57	21.09	21.01	22.76	23.69	27.14	27.32	27.74	24.24	24.09	23.56	24.40	28.85	32.43	33.04	32.54	26.33	23.69	23.32
23571	0.46	0.40	0.36	0.33	0.42	0.55	0.51	0.53	0.69	0.76	0.72	0.78	0.79	0.78	0.78	0.77	0.74	0.85	0.82	0.92	0.91	0.91	0.70	0.46
	-7.40	-8.23	-9.30	-10.43	-7.89	-3.41	-5.10	-5.48	-3.43	-1.75	-5.97	-4.93	-5.04	-1.66	-1.67	-1.48	-2.41	-4.45	-7.39	-6.44	-5.55	-0.01	-2.42	-7.92
ALBANY___2	23.05	21.81	20.93	20.42	20.19	19.57	21.09	21.01	22.76	23.69	27.14	27.32	27.74	24.24	24.09	23.56	24.40	28.85	32.43	33.04	32.54	26.33	23.69	23.32
23572	0.46	0.40	0.36	0.33	0.42	0.55	0.51	0.53	0.69	0.76	0.72	0.78	0.79	0.78	0.78	0.77	0.74	0.85	0.82	0.92	0.91	0.91	0.70	0.46
	-7.40	-8.23	-9.30	-10.43	-7.89	-3.41	-5.10	-5.48	-3.43	-1.75	-5.97	-4.93	-5.04	-1.66	-1.67	-1.48	-2.41	-4.45	-7.39	-6.44	-5.55	-0.01	-2.42	-7.92
ALBANY___3	23.05	21.81	20.93	20.42	20.19	19.57	21.09	21.01	22.76	23.69	27.14	27.32	27.74	24.24	24.09	23.56	24.40	28.85	32.43	33.04	32.54	26.33	23.69	23.32
23573	0.46	0.40	0.36	0.33	0.42	0.55	0.51	0.53	0.69	0.76	0.72	0.78	0.79	0.78	0.78	0.77	0.74	0.85	0.82	0.92	0.91	0.91	0.70	0.46
	-7.40	-8.23	-9.30	-10.43	-7.89	-3.41	-5.10	-5.48	-3.43	-1.75	-5.97	-4.93	-5.04	-1.66	-1.67	-1.48	-2.41	-4.45	-7.39	-6.44	-5.55	-0.01	-2.42	-7.92

ALBANY___4 23574	23.05 0.46 -7.40	21.81 0.40 -8.23	20.93 0.36 -9.30	20.42 0.33 -10.43	20.19 0.42 -7.89	19.57 0.55 -3.41	21.09 0.51 -5.10	21.01 0.53 -5.48	22.76 0.69 -3.43	23.69 0.76 -1.75	27.14 0.72 -5.97	27.32 0.78 -4.93	27.74 0.79 -5.04	24.24 0.78 -1.66	24.09 0.78 -1.67	23.56 0.77 -1.48	24.40 0.74 -2.41	28.85 0.85 -4.45	32.43 0.82 -7.39	33.04 0.92 -6.44	32.54 0.91 -5.55	26.33 0.91 -0.01	23.69 0.70 -2.42	23.32 0.46 -7.92
ALBANY___LFGE 323615	23.31 0.58 -7.54	22.06 0.50 -8.37	21.18 0.44 -9.47	20.68 0.40 -10.62	20.42 0.50 -8.03	19.76 0.67 -3.47	21.31 0.64 -5.19	21.23 0.64 -5.58	22.97 0.84 -3.50	23.94 0.97 -1.78	27.45 0.92 -6.08	27.59 0.97 -5.02	28.04 1.01 -5.12	24.48 1.00 -1.69	24.34 1.00 -1.69	23.78 0.96 -1.51	24.66 0.96 -2.46	29.15 1.06 -4.53	32.77 1.04 -7.52	33.38 1.16 -6.55	32.84 1.12 -5.64	26.51 1.12 0.00	23.89 0.86 -2.45	23.58 0.58 -8.06
ALCOA_PA_115KV_PL-6C 55860	14.91 -0.32 -0.03	12.95 -0.28 -0.04	11.08 -0.23 -0.04	9.52 -0.19 -0.05	11.68 -0.25 -0.04	15.30 -0.33 -0.02	15.20 -0.31 -0.02	14.73 -0.30 -0.02	18.28 -0.37 -0.02	20.81 -0.38 -0.01	20.04 -0.43 -0.03	21.19 -0.43 -0.02	21.47 -0.46 -0.02	21.34 -0.46 -0.01	21.20 -0.45 -0.01	20.85 -0.47 -0.01	20.81 -0.45 -0.01	23.08 -0.49 -0.02	23.72 -0.53 -0.03	24.28 -0.64 0.75	24.36 -0.68 1.04	24.10 -0.61 0.69	20.20 -0.39 -0.01	14.69 -0.28 -0.04
ALCOA_RYNLDS___DRP 24188	14.91 -0.32 -0.03	12.95 -0.28 -0.04	11.08 -0.23 -0.04	9.52 -0.19 -0.05	11.68 -0.25 -0.04	15.30 -0.33 -0.02	15.20 -0.31 -0.02	14.73 -0.30 -0.02	18.28 -0.37 -0.02	20.81 -0.38 -0.01	20.04 -0.43 -0.03	21.19 -0.43 -0.02	21.47 -0.46 -0.02	21.34 -0.46 -0.01	21.20 -0.45 -0.01	20.85 -0.47 -0.01	20.81 -0.45 -0.01	23.08 -0.49 -0.02	23.72 -0.53 -0.03	24.28 -0.64 0.75	24.36 -0.68 1.04	24.10 -0.61 0.69	20.20 -0.39 -0.01	14.69 -0.28 -0.04
ALCOA___DSASP 323711	14.87 -0.32 0.00	12.91 -0.28 0.00	11.04 -0.23 0.00	9.47 -0.19 0.00	11.64 -0.25 0.00	15.29 -0.33 0.00	15.17 -0.31 0.00	14.70 -0.30 0.00	18.26 -0.37 0.00	20.80 -0.38 0.00	20.02 -0.43 0.00	21.17 -0.43 0.00	21.44 -0.46 0.00	21.33 -0.46 0.00	21.19 -0.46 0.00	20.84 -0.47 0.00	20.80 -0.45 0.00	23.06 -0.50 0.00	23.68 -0.53 0.00	24.13 -0.64 0.90	24.18 -0.68 1.22	24.00 -0.61 0.79	20.18 -0.39 0.00	14.65 -0.28 0.00
ALLEGHENY___COGEN 23514	16.92 0.58 -1.15	14.96 0.50 -1.27	13.13 0.42 -1.44	11.63 0.35 -1.62	13.59 0.48 -1.22	16.79 0.64 -0.53	16.85 0.57 -0.79	16.29 0.44 -0.85	19.26 0.09 -0.53	21.41 -0.04 -0.27	21.37 0.00 -0.93	26.23 -0.11 -4.74	27.75 -0.11 -5.96	23.83 -0.13 -2.17	23.24 -0.06 -1.66	21.50 -0.04 -0.23	21.68 0.06 -0.37	24.41 0.17 -0.69	28.59 0.46 -3.91	27.67 1.00 -1.00	30.00 1.17 -2.75	30.39 1.04 -3.95	23.29 0.45 -2.26	16.69 0.52 -1.23
ALTAMONT_115KV_TB 2 55880	23.21 0.65 -7.37	21.94 0.57 -8.19	21.02 0.50 -9.26	20.47 0.43 -10.38	20.28 0.54 -7.85	19.71 0.70 -3.39	21.24 0.68 -5.08	21.12 0.66 -5.46	22.91 0.86 -3.42	23.90 0.97 -1.74	27.31 0.92 -5.95	27.49 0.97 -4.91	27.91 0.99 -5.02	24.45 1.00 -1.65	24.28 0.97 -1.66	23.74 0.96 -1.47	24.60 0.96 -2.40	29.05 1.06 -4.43	32.66 1.09 -7.35	33.27 1.18 -6.41	32.80 1.20 -5.53	26.61 1.19 -0.01	23.91 0.93 -2.40	23.47 0.64 -7.89
ALTONA_WT_PWR 323606	14.08 -1.11 0.00	12.24 -0.95 0.00	10.45 -0.82 0.00	8.96 -0.71 0.00	11.03 -0.86 0.00	14.48 -1.14 0.00	14.40 -1.08 0.00	13.98 -1.02 0.00	17.36 -1.27 0.00	19.91 -1.27 0.00	19.24 -1.21 0.00	20.39 -1.21 0.00	20.63 -1.27 0.00	20.53 -1.26 0.00	20.35 -1.30 0.00	19.97 -1.34 0.00	19.95 -1.30 0.00	22.07 -1.48 0.00	22.62 -1.60 0.00	23.08 -1.75 0.84	23.11 -1.83 1.14	22.90 -1.75 0.74	19.16 -1.42 0.00	13.91 -1.03 0.00
AMERICAN_REF_FUEL 24010	15.56 -0.67 -1.03	13.74 -0.59 -1.15	12.08 -0.48 -1.30	10.69 -0.43 -1.45	12.56 -0.43 -1.10	15.51 -0.58 -0.47	15.53 -0.67 -0.71	15.01 -0.75 -0.76	17.92 -1.19 -0.48	19.96 -1.46 -0.24	19.85 -1.43 -0.83	19.97 -1.36 0.27	20.00 -1.38 0.52	20.19 -1.37 0.23	19.94 -1.60 0.11	19.98 -1.53 -0.21	19.99 -1.59 -0.34	22.43 -1.74 -0.62	23.17 -1.41 -0.36	25.03 -1.54 -0.90	24.93 -1.46 -0.31	23.14 -1.32 0.93	19.14 -1.32 0.12	15.34 -0.70 -1.11
ARKWRIGHT___SUMMIT_WT_PWR 323751	15.77 -0.58 -1.15	13.95 -0.51 -1.28	12.24 -0.47 -1.45	10.86 -0.43 -1.62	12.71 -0.40 -1.23	15.63 -0.51 -0.53	15.72 -0.56 -0.79	15.25 -0.60 -0.85	18.27 -0.89 -0.53	20.42 -1.04 -0.27	20.44 -0.94 -0.93	20.29 -1.12 0.18	20.55 -0.90 0.45	20.88 -0.72 0.20	20.51 -1.06 0.08	20.63 -0.92 -0.23	20.75 -0.87 -0.38	23.24 -1.01 -0.69	23.63 -1.06 -0.49	25.75 -0.92 -1.00	25.55 -0.94 -0.41	23.87 -0.58 0.94	19.20 -1.30 0.08	15.50 -0.67 -1.23
ARTHUR_KILL_GT_1 23520	22.93 1.58 -6.16	21.39 1.37 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.56 1.12 -6.55	19.81 1.36 -2.83	21.04 1.32 -4.24	20.79 1.23 -4.56	23.05 1.57 -2.85	24.29 1.65 -1.45	27.05 1.64 -4.96	27.49 1.79 -4.09	27.93 1.84 -4.18	25.06 1.90 -1.38	24.89 1.86 -1.38	24.42 1.88 -1.23	25.16 1.91 -2.00	29.42 2.17 -3.70	32.43 2.08 -6.14	33.19 2.18 -5.34	32.99 2.32 -4.60	27.84 2.44 0.00	24.57 1.96 -2.03	23.08 1.45 -6.69
ARTHUR_KILL_2 23512	22.90 1.55 -6.16	21.35 1.33 -6.83	20.12 1.13 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.77 1.33 -2.83	21.00 1.28 -4.24	20.76 1.20 -4.56	23.00 1.51 -2.85	24.24 1.61 -1.45	27.01 1.60 -4.96	27.45 1.75 -4.09	27.88 1.80 -4.18	25.00 1.83 -1.38	24.85 1.82 -1.38	24.37 1.83 -1.23	25.10 1.85 -2.00	29.35 2.10 -3.70	32.36 2.01 -6.14	33.12 2.11 -5.34	32.92 2.24 -4.60	27.76 2.36 0.00	24.50 1.89 -2.03	23.05 1.42 -6.69
ARTHUR_KILL_3 23513	22.77 1.43 -6.15	21.23 1.21 -6.83	20.02 1.03 -7.73	19.16 0.83 -8.66	19.43 0.99 -6.55	19.71 1.26 -2.83	21.00 1.28 -4.24	20.85 1.29 -4.56	23.14 1.66 -2.85	24.43 1.80 -1.45	27.13 1.72 -4.96	27.53 1.84 -4.09	27.97 1.88 -4.18	25.09 1.92 -1.38	24.91 1.88 -1.38	24.39 1.85 -1.23	25.12 1.87 -2.00	29.30 2.05 -3.70	32.55 2.20 -6.14	33.38 2.36 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.44 1.83 -2.03	22.95 1.33 -6.68
ARTHUR_KILL_COGEN 323718	22.93 1.58 -6.16	21.39 1.37 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.56 1.12 -6.55	19.81 1.36 -2.83	21.04 1.32 -4.24	20.79 1.23 -4.56	23.05 1.57 -2.85	24.29 1.65 -1.45	27.05 1.64 -4.96	27.49 1.79 -4.09	27.93 1.84 -4.18	25.06 1.90 -1.38	24.89 1.86 -1.38	24.42 1.88 -1.23	25.16 1.91 -2.00	29.42 2.17 -3.70	32.43 2.08 -6.14	33.19 2.18 -5.34	32.99 2.32 -4.60	27.84 2.44 0.00	24.57 1.96 -2.03	23.08 1.45 -6.69
ASHOKAN____ 23654	22.28 0.30 -6.79	20.98 0.25 -7.54	20.01 0.21 -8.53	19.40 0.17 -9.56	19.34 0.21 -7.23	19.04 0.30 -3.12	20.45 0.29 -4.67	20.30 0.27 -5.03	22.19 0.41 -3.15	23.25 0.47 -1.60	26.29 0.37 -5.48	26.53 0.41 -4.52	26.93 0.42 -4.61	23.70 0.39 -1.52	23.54 0.37 -1.53	23.01 0.34 -1.36	23.88 0.42 -2.21	28.13 0.50 -4.08	31.49 0.51 -6.77	32.14 0.56 -5.90	31.81 0.65 -5.08	25.98 0.58 0.00	23.21 0.41 -2.22	22.50 0.27 -7.29

ASTORIA_EAST_ENERGY_CC1 323581	22.87 1.52 -6.16	21.29 1.27 -6.83	20.08 1.08 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.97 1.25 -4.24	20.76 1.21 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.02 1.78 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.94 2.27 -4.60	27.57 2.18 0.01	24.32 1.71 -2.03	22.97 1.34 -6.69
ASTORIA_EAST_ENERGY_CC2 323582	22.87 1.52 -6.16	21.29 1.27 -6.83	20.08 1.08 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.79 1.34 -2.83	20.97 1.25 -4.24	20.76 1.21 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.02 1.78 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.94 2.27 -4.60	27.57 2.18 0.01	24.32 1.71 -2.03	22.97 1.34 -6.69
ASTORIA_GT2_1 24094	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT2_2 24095	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT2_3 24096	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT2_4 24097	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT3_1 24098	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT3_2 24099	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT3_3 24100	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT3_4 24101	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT4_1 24102	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT4_2 24103	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT4_3 24104	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT4_4 24105	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA_GT_1 23523	22.90 1.55 -6.16	21.31 1.29 -6.83	20.10 1.10 -7.73	19.27 0.94 -8.66	19.56 1.12 -6.55	19.82 1.37 -2.83	21.00 1.28 -4.24	20.79 1.24 -4.55	23.10 1.62 -2.85	24.38 1.76 -1.45	27.08 1.68 -4.96	27.50 1.81 -4.09	27.92 1.84 -4.17	25.06 1.90 -1.37	24.88 1.86 -1.38	24.39 1.82 -1.22	25.07 1.83 -2.00	29.25 2.00 -3.69	32.42 2.08 -6.13	33.22 2.21 -5.34	33.02 2.35 -4.60	27.63 2.24 0.01	24.36 1.75 -2.03	22.99 1.36 -6.69

ASTORIA_GT_10 24110	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.08 1.36 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.17 2.00 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.55 2.20 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.50 1.89 -2.03	23.06 1.43 -6.69
ASTORIA_GT_11 24225	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.08 1.36 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.17 2.00 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.55 2.20 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.50 1.89 -2.03	23.06 1.43 -6.69
ASTORIA_GT_12 24226	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.08 1.36 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.17 2.00 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.55 2.20 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.50 1.89 -2.03	23.06 1.43 -6.69
ASTORIA_GT_13 24227	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.08 1.36 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.17 2.00 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.55 2.20 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.50 1.89 -2.03	23.06 1.43 -6.69
ASTORIA_GT_5 24106	22.90 1.55 -6.16	21.31 1.29 -6.83	20.10 1.10 -7.73	19.27 0.94 -8.66	19.56 1.12 -6.55	19.82 1.37 -2.83	21.00 1.28 -4.24	20.79 1.24 -4.55	23.10 1.62 -2.85	24.38 1.76 -1.45	27.08 1.68 -4.96	27.50 1.81 -4.09	27.92 1.84 -4.17	25.06 1.90 -1.37	24.88 1.86 -1.38	24.39 1.85 -1.22	25.07 1.83 -2.00	29.25 2.00 -3.69	32.42 2.08 -6.13	33.22 2.21 -5.34	33.02 2.35 -4.60	27.63 2.24 0.01	24.36 1.75 -2.03	22.99 1.36 -6.69
ASTORIA_GT_7 24107	22.90 1.55 -6.16	21.31 1.29 -6.83	20.10 1.10 -7.73	19.27 0.94 -8.66	19.56 1.12 -6.55	19.82 1.37 -2.83	21.00 1.28 -4.24	20.79 1.24 -4.55	23.10 1.62 -2.85	24.38 1.76 -1.45	27.08 1.68 -4.96	27.50 1.81 -4.09	27.92 1.84 -4.17	25.06 1.90 -1.37	24.88 1.86 -1.38	24.39 1.85 -1.22	25.07 1.83 -2.00	29.25 2.00 -3.69	32.42 2.08 -6.13	33.22 2.21 -5.34	33.02 2.35 -4.60	27.63 2.24 0.01	24.36 1.75 -2.03	22.99 1.36 -6.69
ASTORIA_GT_8 24108	22.90 1.55 -6.16	21.31 1.29 -6.83	20.10 1.10 -7.73	19.27 0.94 -8.66	19.56 1.12 -6.55	19.82 1.37 -2.83	21.00 1.28 -4.24	20.79 1.24 -4.55	23.10 1.62 -2.85	24.38 1.76 -1.45	27.08 1.68 -4.96	27.50 1.81 -4.09	27.92 1.84 -4.17	25.06 1.90 -1.37	24.88 1.86 -1.38	24.39 1.85 -1.22	25.07 1.83 -2.00	29.25 2.00 -3.69	32.42 2.08 -6.13	33.22 2.21 -5.34	33.02 2.35 -4.60	27.63 2.24 0.01	24.36 1.75 -2.03	22.99 1.36 -6.69
ASTORIA___2 24149	22.87 1.52 -6.16	21.29 1.27 -6.83	20.09 1.09 -7.73	19.26 0.93 -8.66	19.54 1.09 -6.55	19.81 1.36 -2.83	20.99 1.27 -4.24	20.78 1.23 -4.55	23.06 1.58 -2.85	24.34 1.71 -1.45	27.04 1.64 -4.96	27.46 1.77 -4.09	27.87 1.80 -4.17	25.01 1.85 -1.37	24.84 1.82 -1.38	24.34 1.81 -1.22	25.04 1.80 -2.00	29.20 1.95 -3.69	32.38 2.03 -6.13	33.17 2.16 -5.34	32.97 2.30 -4.60	27.60 2.21 0.01	24.34 1.73 -2.03	22.97 1.34 -6.69
ASTORIA___3 23516	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.08 1.36 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.17 2.00 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.55 2.20 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.50 1.89 -2.03	23.06 1.43 -6.69
ASTORIA___4 23517	22.90 1.53 -6.18	21.35 1.31 -6.85	20.14 1.12 -7.75	19.27 0.92 -8.69	19.56 1.09 -6.57	19.85 1.39 -2.84	21.08 1.35 -4.25	20.91 1.34 -4.57	23.23 1.73 -2.86	24.50 1.86 -1.46	27.20 1.78 -4.98	27.64 1.92 -4.12	28.06 1.95 -4.21	25.18 2.00 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.19 1.93 -2.01	29.38 2.12 -3.71	32.58 2.20 -6.16	33.38 2.34 -5.37	33.19 2.48 -4.63	27.80 2.39 -0.02	24.48 1.89 -2.01	22.97 1.43 -6.60
ASTORIA___5 23518	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.08 1.36 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.17 2.00 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.55 2.20 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.50 1.89 -2.03	23.06 1.43 -6.69
AST_ENERGY_2_CC3 323677	22.79 1.44 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.18 1.70 -2.85	24.48 1.84 -1.45	27.15 1.74 -4.96	27.58 1.88 -4.09	27.99 1.90 -4.18	25.13 1.96 -1.38	24.94 1.91 -1.38	24.44 1.90 -1.23	25.14 1.89 -2.00	29.33 2.07 -3.70	32.53 2.18 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.44 1.83 -2.03	22.97 1.34 -6.68
AST_ENERGY_2_CC4 323678	22.79 1.44 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.18 1.70 -2.85	24.48 1.84 -1.45	27.15 1.74 -4.96	27.58 1.88 -4.09	27.99 1.90 -4.18	25.13 1.96 -1.38	24.94 1.91 -1.38	24.44 1.90 -1.23	25.14 1.89 -2.00	29.33 2.07 -3.70	32.53 2.18 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.44 1.83 -2.03	22.97 1.34 -6.68
ATHENS_STG_1 23668	22.71 0.84 -6.68	21.33 0.72 -7.42	20.28 0.62 -8.39	19.59 0.52 -9.41	19.65 0.64 -7.12	19.52 0.83 -3.07	20.90 0.82 -4.60	20.76 0.81 -4.95	22.77 1.04 -3.10	23.92 1.16 -1.58	26.94 1.10 -5.39	27.21 1.17 -4.44	27.65 1.20 -4.54	24.51 1.22 -1.49	24.34 1.19 -1.50	23.82 1.17 -1.34	24.59 1.17 -2.18	28.84 1.27 -4.02	32.21 1.33 -6.66	32.92 1.44 -5.81	32.56 1.49 -5.00	26.87 1.47 0.00	23.91 1.17 -2.17	22.89 0.84 -7.12
ATHENS_STG_2 23670	22.71 0.84 -6.68	21.33 0.72 -7.42	20.28 0.62 -8.39	19.59 0.52 -9.41	19.65 0.64 -7.12	19.52 0.83 -3.07	20.90 0.82 -4.60	20.76 0.81 -4.95	22.77 1.04 -3.10	23.92 1.16 -1.58	26.94 1.10 -5.39	27.21 1.17 -4.44	27.65 1.20 -4.54	24.51 1.22 -1.49	24.34 1.19 -1.50	23.82 1.17 -1.34	24.59 1.17 -2.18	28.84 1.27 -4.02	32.21 1.33 -6.66	32.92 1.44 -5.81	32.56 1.49 -5.00	26.87 1.47 0.00	23.91 1.17 -2.17	22.89 0.84 -7.12

ATHENS_STG_3 23677	22.71 0.84 -6.68	21.33 0.72 -7.42	20.28 0.62 -8.39	19.59 0.52 -9.41	19.65 0.64 -7.12	19.52 0.83 -3.07	20.90 0.82 -4.60	20.76 0.81 -4.95	22.77 1.04 -3.10	23.92 1.16 -1.58	26.94 1.10 -5.39	27.21 1.17 -4.44	27.65 1.20 -4.54	24.51 1.22 -1.49	24.34 1.19 -1.50	23.82 1.17 -1.34	24.59 1.17 -2.18	28.84 1.27 -4.02	32.21 1.33 -6.66	32.92 1.44 -5.81	32.56 1.49 -5.00	26.87 1.47 0.00	23.91 1.17 -2.17	22.89 0.84 -7.12
AUBURN___LFG 323710	16.28 0.24 -0.85	14.38 0.25 -0.94	12.54 0.21 -1.06	10.98 0.13 -1.19	12.98 0.19 -0.90	16.27 0.27 -0.39	16.36 0.29 -0.58	15.93 0.30 -0.63	19.38 0.35 -0.39	21.78 0.40 -0.20	21.70 0.57 -0.68	22.83 0.60 -0.63	23.20 0.64 -0.66	22.64 0.63 -0.22	22.44 0.58 -0.21	22.08 0.60 -0.17	22.11 0.59 -0.28	24.65 0.59 -0.51	25.73 0.63 -0.89	27.19 0.74 -0.77	27.52 0.73 -0.71	26.18 0.69 -0.10	21.15 0.27 -0.31	16.10 0.25 -0.90
BABYLON_RES_REC 323704	23.17 1.82 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.68 1.24 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.86 2.37 -6.31	31.64 2.23 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.11 2.42 -6.90	31.96 2.36 -7.95	31.25 2.37 -7.58	33.24 2.38 -9.62	35.66 2.71 -9.40	38.39 2.86 -11.32	42.55 3.05 -13.83	48.71 3.18 -19.45	34.26 3.05 -5.81	25.62 2.32 -2.72	23.31 1.69 -6.68
BABYLON__69_KV_BK2 356345	23.34 1.98 -6.17	21.70 1.66 -6.85	20.37 1.35 -7.75	19.48 1.12 -8.69	19.80 1.33 -6.57	20.19 1.73 -2.84	21.50 1.77 -4.25	21.25 1.68 -4.57	23.75 2.25 -2.86	30.08 2.58 -6.32	31.82 2.39 -8.98	34.33 2.53 -10.20	32.32 2.58 -7.83	31.32 2.62 -6.91	32.14 2.53 -7.96	31.43 2.54 -7.58	33.41 2.55 -9.62	35.89 2.92 -9.41	38.61 3.05 -11.35	42.81 3.29 -13.85	48.97 3.42 -19.48	34.50 3.28 -5.83	25.78 2.51 -2.70	23.36 1.82 -6.60
BARON_WINDS___WT_PWR 323822	16.66 0.02 -1.45	14.80 0.00 -1.62	13.10 0.00 -1.83	11.69 -0.02 -2.05	13.48 0.04 -1.55	16.32 0.03 -0.67	16.45 -0.03 -1.00	16.03 -0.04 -1.08	19.12 -0.19 -0.67	21.23 -0.30 -0.34	21.29 -0.33 -1.17	15.50 -0.41 5.69	13.95 -0.26 7.69	18.81 -0.11 2.88	19.23 -0.39 2.03	21.26 -0.34 -0.29	21.38 -0.34 -0.47	24.10 -0.33 -0.87	20.73 -0.29 3.20	26.86 -0.08 -1.26	23.94 -0.05 2.08	19.04 0.25 6.61	17.45 -0.43 2.69	16.38 -0.12 -1.56
BARRETT_IC_1 23704	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_10 23701	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_11 23702	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_12 23703	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_2 23705	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_3 23706	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_4 23707	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_5 23708	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_6 23709	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_7 23710	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68

BARRETT_IC_8 23711	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT_IC_9 23700	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT___1 23545	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BARRETT___2 23546	23.06 1.72 -6.15	21.47 1.45 -6.84	20.18 1.18 -7.73	19.32 0.99 -8.67	19.62 1.18 -6.56	19.96 1.51 -2.83	21.27 1.55 -4.24	21.04 1.49 -4.56	23.48 1.99 -2.85	29.76 2.27 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.92 2.21 -7.81	30.94 2.25 -6.90	31.78 2.19 -7.95	31.04 2.15 -7.58	32.98 2.12 -9.62	35.31 2.36 -9.40	37.96 2.42 -11.32	42.09 2.59 -13.83	48.24 2.71 -19.45	33.90 2.69 -5.81	25.50 2.20 -2.72	23.20 1.58 -6.68
BATAVIA___115KV_TB1 55881	16.14 0.00 -0.95	14.24 0.00 -1.06	12.47 0.01 -1.20	11.01 0.01 -1.34	12.99 0.08 -1.01	16.15 0.09 -0.44	16.17 0.03 -0.65	15.63 -0.08 -0.70	18.76 -0.32 -0.44	20.94 -0.47 -0.22	20.70 -0.51 -0.77	21.46 -0.50 -0.36	21.68 -0.53 -0.30	21.29 -0.59 -0.08	21.20 -0.56 -0.12	20.97 -0.53 -0.19	20.98 -0.57 -0.31	23.59 -0.54 -0.57	24.68 -0.29 -0.76	26.35 -0.18 -0.86	26.65 -0.05 -0.62	24.96 -0.20 0.24	20.45 -0.31 -0.18	15.95 0.00 -1.01
BAYONEEC___CTG1 323682	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG10 323750	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG2 323683	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG3 323684	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG4 323685	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG5 323686	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG6 323687	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG7 323688	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG8 323689	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
BAYONEEC___CTG9 323749	22.80 1.46 -6.15	21.26 1.24 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68

BEACON___LESR 323632	23.30 0.68 -7.42	22.02 0.59 -8.24	21.11 0.52 -9.32	20.59 0.47 -10.45	20.39 0.59 -7.91	19.81 0.78 -3.41	21.34 0.74 -5.11	21.25 0.75 -5.50	23.08 1.01 -3.44	24.10 1.16 -1.75	27.54 1.10 -5.99	27.69 1.14 -4.94	28.13 1.18 -5.04	24.63 1.18 -1.66	24.48 1.17 -1.67	23.92 1.13 -1.49	24.77 1.10 -2.42	29.26 1.25 -4.46	32.87 1.26 -7.40	33.48 1.36 -6.45	32.96 1.33 -5.55	26.74 1.35 0.00	24.04 1.05 -2.42	23.58 0.70 -7.94
BEAVER RIVER___HYD 24048	15.10 -0.38 -0.29	13.19 -0.32 -0.32	11.36 -0.27 -0.36	9.84 -0.23 -0.41	11.91 -0.29 -0.31	15.36 -0.39 -0.13	15.30 -0.39 -0.20	14.77 -0.45 -0.21	18.15 -0.61 -0.13	20.49 -0.76 -0.07	19.99 -0.70 -0.23	21.08 -0.71 -0.19	21.36 -0.74 -0.20	21.07 -0.78 -0.06	20.89 -0.82 -0.07	20.54 -0.83 -0.06	20.57 -0.76 -0.09	23.02 -0.71 -0.17	23.92 -0.58 -0.29	26.30 -0.49 -1.11	26.97 -0.50 -1.39	25.62 -0.53 -0.76	20.22 -0.45 -0.09	14.91 -0.34 -0.31
BEEBEE_GT_13 23619	16.16 0.15 -0.82	14.23 0.13 -0.91	12.41 0.11 -1.03	10.91 0.10 -1.15	12.93 0.17 -0.87	16.21 0.22 -0.38	16.22 0.17 -0.56	15.74 0.14 -0.61	19.01 0.00 -0.38	21.35 -0.02 -0.19	21.09 -0.02 -0.66	21.99 -0.11 -0.50	22.16 -0.24 -0.49	21.60 -0.35 -0.16	21.79 -0.02 -0.17	21.45 -0.02 -0.16	21.45 -0.06 -0.27	24.02 -0.02 -0.49	24.97 -0.02 -0.78	26.62 0.21 -0.74	27.00 0.29 -0.63	25.18 -0.20 0.02	20.76 -0.06 -0.24	15.96 0.15 -0.87
BENSHRST_27_KV_BENSHRST_1 355998	23.01 1.64 -6.18	21.44 1.40 -6.85	20.20 1.18 -7.75	19.33 0.98 -8.69	19.63 1.17 -6.57	19.89 1.44 -2.84	21.14 1.41 -4.25	20.95 1.38 -4.57	23.28 1.79 -2.86	24.57 1.93 -1.46	27.31 1.88 -4.98	27.75 2.03 -4.12	28.19 2.08 -4.21	25.31 2.14 -1.39	25.12 2.08 -1.39	24.63 2.09 -1.23	25.34 2.08 -2.01	29.60 2.33 -3.71	32.80 2.42 -6.16	33.56 2.52 -5.37	33.37 2.66 -4.63	28.01 2.59 -0.02	24.63 2.04 -2.01	23.06 1.52 -6.60
BETHLEHEM___GRP 23843	23.05 0.46 -7.40	21.81 0.40 -8.23	20.93 0.36 -9.30	20.42 0.33 -10.43	20.19 0.42 -7.89	19.57 0.55 -3.41	21.09 0.51 -5.10	21.01 0.53 -5.48	22.76 0.69 -3.43	23.69 0.76 -1.75	27.14 0.72 -5.97	27.32 0.78 -4.93	27.74 0.79 -5.04	24.24 0.78 -1.66	24.09 0.78 -1.67	23.56 0.77 -1.48	24.40 0.74 -2.41	28.85 0.85 -4.45	32.43 0.82 -7.39	33.04 0.92 -6.44	32.54 0.91 -5.55	26.33 0.91 -0.01	23.69 0.70 -2.42	23.32 0.46 -7.92
BETHLEHEM___GS1 323560	23.07 0.46 -7.42	21.83 0.40 -8.25	20.96 0.36 -9.33	20.45 0.33 -10.46	20.22 0.42 -7.91	19.58 0.55 -3.42	21.09 0.50 -5.11	21.03 0.52 -5.50	22.77 0.69 -3.45	23.70 0.76 -1.76	27.15 0.72 -5.99	27.32 0.78 -4.94	27.74 0.79 -5.05	24.24 0.78 -1.66	24.09 0.78 -1.67	23.56 0.77 -1.49	24.41 0.74 -2.42	28.87 0.85 -4.46	32.44 0.82 -7.41	33.05 0.92 -6.46	32.55 0.91 -5.56	26.29 0.89 0.00	23.69 0.70 -2.42	23.34 0.46 -7.94
BETHLEHEM___GS2 323561	23.07 0.46 -7.42	21.83 0.40 -8.25	20.96 0.36 -9.33	20.45 0.33 -10.46	20.22 0.42 -7.91	19.58 0.55 -3.42	21.09 0.50 -5.11	21.03 0.52 -5.50	22.77 0.69 -3.45	23.70 0.76 -1.76	27.15 0.72 -5.99	27.32 0.78 -4.94	27.74 0.79 -5.05	24.24 0.78 -1.66	24.09 0.78 -1.67	23.56 0.77 -1.49	24.41 0.74 -2.42	28.87 0.85 -4.46	32.44 0.82 -7.41	33.05 0.92 -6.46	32.55 0.91 -5.56	26.29 0.89 0.00	23.69 0.70 -2.42	23.34 0.46 -7.94
BETHLEHEM___GS3 323562	23.07 0.46 -7.42	21.83 0.40 -8.25	20.96 0.36 -9.33	20.45 0.33 -10.46	20.22 0.42 -7.91	19.58 0.55 -3.42	21.09 0.50 -5.11	21.03 0.52 -5.50	22.77 0.69 -3.45	23.70 0.76 -1.76	27.15 0.72 -5.99	27.32 0.78 -4.94	27.74 0.79 -5.05	24.24 0.78 -1.66	24.09 0.78 -1.67	23.56 0.77 -1.49	24.41 0.74 -2.42	28.87 0.85 -4.46	32.44 0.82 -7.41	33.05 0.92 -6.46	32.55 0.91 -5.56	26.29 0.89 0.00	23.69 0.70 -2.42	23.34 0.46 -7.94
BETHLEHEM___STEEL 23779	15.93 -0.41 -1.15	14.11 -0.36 -1.27	12.42 -0.29 -1.44	11.01 -0.27 -1.62	12.88 -0.24 -1.22	15.82 -0.33 -0.53	15.87 -0.40 -0.79	15.37 -0.48 -0.85	18.35 -0.82 -0.53	20.41 -1.04 -0.27	20.35 -1.02 -0.93	20.60 -1.17 -0.17	20.95 -0.96 -0.01	20.98 -0.78 0.03	20.55 -1.15 -0.05	20.43 -1.11 -0.23	20.47 -1.15 -0.37	23.00 -1.25 -0.69	23.76 -1.19 -0.73	25.70 -1.00 -1.03	25.75 -0.94 -0.61	24.25 -0.58 0.56	19.58 -1.09 -0.09	15.69 -0.48 -1.23
BETHLHEM_115KV_TB1 79974	23.08 0.50 -7.39	21.83 0.44 -8.21	20.95 0.39 -9.29	20.42 0.35 -10.41	20.20 0.44 -7.87	19.61 0.59 -3.40	21.13 0.56 -5.09	21.03 0.56 -5.47	22.79 0.73 -3.43	23.73 0.80 -1.75	27.19 0.78 -5.96	27.35 0.82 -4.93	27.79 0.85 -5.03	24.28 0.83 -1.66	24.13 0.82 -1.66	23.60 0.81 -1.48	24.46 0.81 -2.41	28.89 0.90 -4.44	32.46 0.87 -7.38	33.08 0.98 -6.43	32.59 0.96 -5.54	26.38 0.97 -0.01	23.73 0.74 -2.41	23.35 0.51 -7.91
BETHPAGE_CC_5 323564	23.14 1.79 -6.15	21.54 1.52 -6.84	20.24 1.24 -7.73	19.35 1.02 -8.67	19.67 1.22 -6.56	20.02 1.58 -2.83	21.35 1.63 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.84 2.35 -6.31	31.62 2.21 -8.96	34.12 2.33 -10.18	32.10 2.39 -7.81	31.11 2.42 -6.90	31.96 2.36 -7.95	31.23 2.34 -7.58	33.15 2.29 -9.62	35.57 2.61 -9.40	38.25 2.71 -11.32	42.42 2.93 -13.83	48.55 3.02 -19.45	34.13 2.92 -5.81	25.60 2.30 -2.72	23.28 1.66 -6.68
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	15.90 -0.46 -1.17	14.10 -0.38 -1.29	12.41 -0.33 -1.46	11.02 -0.29 -1.64	12.87 -0.26 -1.24	15.79 -0.36 -0.54	15.85 -0.43 -0.80	15.35 -0.51 -0.86	18.32 -0.86 -0.54	20.38 -1.08 -0.28	20.32 -1.06 -0.94	20.61 -1.21 -0.21	21.05 -0.92 -0.06	21.11 -0.68 0.01	20.52 -1.19 -0.06	20.39 -1.15 -0.23	20.43 -1.19 -0.38	22.96 -1.30 -0.70	23.75 -1.23 -0.77	25.66 -1.05 -1.04	25.73 -0.99 -0.64	24.41 -0.46 0.53	19.54 -1.15 -0.11	15.67 -0.51 -1.24
BINGHAMTON___COGEN 23790	17.69 0.33 -2.16	15.88 0.29 -2.40	14.22 0.24 -2.72	12.91 0.19 -3.05	14.46 0.26 -2.31	16.96 0.34 -1.00	17.30 0.33 -1.49	16.93 0.33 -1.60	19.99 0.35 -1.00	22.05 0.36 -0.51	22.52 0.33 -1.75	23.41 0.32 -1.48	23.87 0.44 -1.53	22.82 0.52 -0.50	22.47 0.32 -0.50	22.06 0.32 -0.43	22.27 0.32 -0.71	25.21 0.35 -1.30	26.79 0.39 -2.19	28.12 0.54 -1.91	28.35 0.60 -1.67	26.22 0.76 -0.06	21.59 0.29 -0.73	17.54 0.28 -2.32
BIXINCNT_115KV_LOAD 355685	15.86 -0.58 -1.24	14.07 -0.50 -1.38	12.40 -0.43 -1.56	11.03 -0.39 -1.75	12.86 -0.36 -1.33	15.69 -0.50 -0.57	15.80 -0.54 -0.86	15.32 -0.60 -0.92	18.30 -0.91 -0.58	20.31 -1.16 -0.29	20.29 -1.17 -1.00	20.67 -1.36 -0.42	21.40 -0.83 -0.32	21.44 -0.44 -0.08	20.44 -1.34 -0.14	20.26 -1.30 -0.25	20.37 -1.27 -0.41	22.84 -1.46 -0.75	23.70 -1.48 -0.96	25.50 -1.28 -1.11	25.42 -1.43 -0.78	24.72 -0.30 0.37	19.35 -1.44 -0.21	15.57 -0.70 -1.33
BLACK RIVER___HYD 24047	15.27 -0.30 -0.38	13.36 -0.25 -0.42	11.54 -0.20 -0.48	10.02 -0.17 -0.53	12.08 -0.21 -0.40	15.48 -0.31 -0.17	15.43 -0.31 -0.26	14.88 -0.40 -0.28	18.21 -0.60 -0.18	20.55 -0.72 -0.09	20.14 -0.61 -0.31	21.23 -0.63 -0.25	21.48 -0.68 -0.26	21.16 -0.72 -0.08	20.95 -0.78 -0.09	20.58 -0.81 -0.08	20.64 -0.72 -0.12	23.15 -0.63 -0.23	24.13 -0.46 -0.38	26.32 -0.28 -0.93	26.92 -0.26 -1.10	25.60 -0.33 -0.53	20.33 -0.37 -0.12	15.06 -0.28 -0.41

BLACKRVR_115KV_TB2 79977	15.24 -0.30 -0.35	13.32 -0.25 -0.39	11.50 -0.20 -0.44	9.98 -0.17 -0.49	12.05 -0.21 -0.37	15.46 -0.31 -0.16	15.41 -0.31 -0.24	14.85 -0.41 -0.26	18.20 -0.60 -0.16	20.54 -0.72 -0.08	20.11 -0.61 -0.28	21.21 -0.63 -0.23	21.46 -0.68 -0.24	21.15 -0.72 -0.08	20.95 -0.78 -0.08	20.57 -0.81 -0.07	20.63 -0.72 -0.11	23.13 -0.64 -0.21	24.10 -0.46 -0.35	26.29 -0.28 -0.90	26.89 -0.26 -1.07	25.59 -0.33 -0.53	20.32 -0.37 -0.11	15.02 -0.28 -0.37
BLISS_WT_PWR 323608	15.74 -0.64 -1.19	13.94 -0.57 -1.32	12.29 -0.47 -1.49	10.91 -0.43 -1.67	12.76 -0.39 -1.27	15.60 -0.56 -0.55	15.70 -0.60 -0.82	15.22 -0.66 -0.88	18.21 -0.97 -0.55	20.23 -1.23 -0.28	20.20 -1.21 -0.96	20.19 -1.45 -0.03	20.74 -0.99 0.18	21.04 -0.65 0.10	20.24 -1.41 0.00	20.21 -1.34 -0.24	20.29 -1.34 -0.39	22.72 -1.56 -0.71	23.30 -1.57 -0.66	25.32 -1.39 -1.03	24.99 -1.62 -0.53	24.19 -0.46 0.75	19.04 -1.56 -0.03	15.42 -0.79 -1.27
BLUE_CIRC_CHEM_DRP 24182	23.08 0.62 -7.26	21.80 0.54 -8.07	20.87 0.47 -9.13	20.32 0.43 -10.23	20.16 0.54 -7.74	19.68 0.72 -3.34	21.18 0.70 -5.00	21.06 0.68 -5.38	22.90 0.89 -3.37	23.91 1.02 -1.72	27.27 0.96 -5.86	27.46 1.02 -4.84	27.90 1.05 -4.95	24.47 1.05 -1.63	24.30 1.02 -1.64	23.74 0.98 -1.45	24.59 0.98 -2.37	29.01 1.08 -4.37	32.55 1.09 -7.25	33.17 1.18 -6.32	32.70 1.17 -5.45	26.61 1.19 -0.01	23.87 0.93 -2.37	23.35 0.64 -7.77
BOC_GAS_DRP 24189	23.12 0.61 -7.32	21.84 0.53 -8.13	20.92 0.46 -9.19	20.37 0.40 -10.31	20.19 0.50 -7.80	19.64 0.66 -3.37	21.16 0.63 -5.04	21.04 0.62 -5.42	22.85 0.82 -3.39	23.82 0.91 -1.73	27.21 0.86 -5.90	27.39 0.91 -4.88	27.83 0.94 -4.98	24.37 0.94 -1.64	24.20 0.91 -1.65	23.67 0.90 -1.46	24.52 0.89 -2.38	28.94 0.99 -4.40	32.51 0.99 -7.30	33.14 1.10 -6.37	32.69 1.12 -5.49	26.50 1.09 -0.01	23.83 0.86 -2.39	23.37 0.60 -7.83
BOONVILLE_115KV_TB1 79983	15.47 0.06 -0.21	13.48 0.05 -0.24	11.58 0.05 -0.27	10.00 0.04 -0.30	12.17 0.05 -0.23	15.79 0.08 -0.10	15.72 0.09 -0.15	15.22 0.06 -0.16	18.77 0.04 -0.10	21.23 0.00 -0.05	20.58 -0.04 -0.17	21.75 0.00 -0.14	22.08 0.02 -0.15	21.82 -0.02 -0.05	21.63 -0.06 -0.05	21.27 -0.09 -0.04	21.29 -0.02 -0.07	23.71 0.02 -0.13	24.55 0.12 -0.21	26.37 0.21 -0.49	26.83 0.18 -0.57	25.82 0.15 -0.27	20.77 0.12 -0.07	15.24 0.07 -0.23
BORALEX_4TH_BRANCH 23824	23.63 0.99 -7.45	22.33 0.87 -8.27	21.36 0.73 -9.36	20.78 0.63 -10.49	20.61 0.78 -7.94	20.07 1.03 -3.43	21.67 1.05 -5.13	21.49 0.97 -5.52	23.41 1.32 -3.46	24.47 1.53 -1.76	27.91 1.45 -6.01	28.05 1.49 -4.96	28.48 1.51 -5.06	24.98 1.53 -1.67	24.81 1.49 -1.67	24.29 1.49 -1.49	25.13 1.46 -2.43	29.66 1.62 -4.48	33.31 1.67 -7.43	33.97 1.82 -6.48	33.50 1.85 -5.57	27.20 1.80 0.00	24.40 1.40 -2.43	23.84 0.93 -7.98
BOWLINE___1 23526	22.56 1.31 -6.06	21.04 1.12 -6.73	19.83 0.95 -7.61	18.98 0.78 -8.53	19.30 0.95 -6.45	19.62 1.22 -2.79	20.88 1.22 -4.17	20.69 1.20 -4.49	22.99 1.55 -2.81	24.33 1.71 -1.43	26.97 1.64 -4.89	27.38 1.75 -4.03	27.82 1.80 -4.12	24.96 1.81 -1.36	24.78 1.78 -1.36	24.27 1.75 -1.21	24.96 1.74 -1.97	29.13 1.93 -3.64	32.24 1.99 -6.04	33.09 2.16 -5.27	32.91 2.30 -4.53	27.61 2.21 0.00	24.22 1.65 -2.00	22.69 1.18 -6.57
BOWLINE___2 23595	22.56 1.31 -6.06	21.04 1.12 -6.73	19.83 0.95 -7.61	18.98 0.78 -8.53	19.30 0.95 -6.45	19.62 1.22 -2.79	20.88 1.22 -4.17	20.69 1.20 -4.49	22.99 1.55 -2.81	24.33 1.71 -1.43	26.97 1.64 -4.89	27.41 1.77 -4.03	27.82 1.80 -4.12	24.96 1.81 -1.36	24.78 1.78 -1.36	24.27 1.75 -1.21	24.96 1.74 -1.97	29.13 1.93 -3.64	32.24 1.99 -6.04	33.09 2.16 -5.27	32.91 2.30 -4.53	27.61 2.21 0.00	24.22 1.65 -2.00	22.69 1.18 -6.57
BRADY___115KV_TB2 356060	14.87 -0.36 -0.05	12.92 -0.32 -0.05	11.07 -0.26 -0.06	9.51 -0.22 -0.07	11.65 -0.29 -0.05	15.26 -0.37 -0.02	15.17 -0.34 -0.03	14.69 -0.35 -0.03	18.23 -0.43 -0.02	20.75 -0.44 -0.01	19.97 -0.51 -0.04	21.14 -0.50 -0.03	21.41 -0.53 -0.03	21.28 -0.52 -0.01	21.12 -0.54 -0.01	20.77 -0.55 -0.01	20.75 -0.51 -0.02	23.04 -0.54 -0.03	23.70 -0.56 -0.05	24.12 -0.64 0.91	24.15 -0.68 1.25	23.95 -0.61 0.84	20.18 -0.41 -0.02	14.67 -0.31 -0.05
BRANSCOMB___SOLAR 323811	23.79 0.91 -7.69	22.52 0.79 -8.55	21.60 0.66 -9.66	21.08 0.58 -10.83	20.82 0.74 -8.20	20.14 0.98 -3.54	21.76 0.98 -5.30	21.64 0.95 -5.70	23.49 1.28 -3.57	24.50 1.50 -1.82	28.08 1.43 -6.21	28.19 1.47 -5.12	28.64 1.51 -5.23	25.04 1.53 -1.72	24.87 1.49 -1.73	24.30 1.45 -1.54	25.19 1.45 -2.51	29.78 1.60 -4.62	33.56 1.67 -7.67	34.13 1.77 -6.69	33.58 1.75 -5.76	27.13 1.73 0.00	24.38 1.30 -2.51	24.05 0.88 -8.23
BRENTWOD_69_KV_W. BRTWOOD 56703	23.26 1.90 -6.17	21.65 1.61 -6.85	20.34 1.32 -7.75	19.45 1.09 -8.69	19.76 1.30 -6.57	20.14 1.69 -2.84	21.45 1.72 -4.25	21.21 1.64 -4.57	23.69 2.20 -2.86	30.02 2.52 -6.32	31.76 2.33 -8.98	34.24 2.44 -10.20	32.23 2.50 -7.83	31.23 2.53 -6.91	32.05 2.45 -7.96	31.34 2.45 -7.58	33.33 2.46 -9.62	35.79 2.83 -9.41	38.52 2.95 -11.35	42.70 3.18 -13.85	48.82 3.26 -19.48	34.38 3.15 -5.83	25.68 2.41 -2.70	23.30 1.76 -6.60
BRISTLHL_115KV_TB1 79998	15.62 -0.09 -0.52	13.69 -0.08 -0.58	11.85 -0.08 -0.66	10.32 -0.08 -0.74	12.36 -0.08 -0.56	15.75 -0.11 -0.24	15.72 -0.12 -0.36	15.28 -0.11 -0.39	18.71 -0.17 -0.24	21.11 -0.19 -0.12	20.70 -0.16 -0.42	21.76 -0.19 -0.35	22.06 -0.20 -0.35	21.71 -0.20 -0.12	21.55 -0.22 -0.12	21.20 -0.21 -0.10	21.18 -0.23 -0.17	23.61 -0.26 -0.31	24.49 -0.24 -0.52	25.96 -0.21 -0.50	26.34 -0.18 -0.45	25.18 -0.25 -0.04	20.50 -0.25 -0.17	15.36 -0.13 -0.56
BROOKHAVEN___DRP 24191	23.12 1.76 -6.17	21.56 1.52 -6.85	20.24 1.22 -7.75	19.36 1.01 -8.69	19.65 1.19 -6.57	20.00 1.55 -2.84	21.31 1.58 -4.25	21.07 1.50 -4.57	23.54 2.05 -2.86	29.83 2.33 -6.32	31.45 2.02 -8.98	33.90 2.10 -10.20	31.91 2.17 -7.83	30.90 2.20 -6.91	31.73 2.12 -7.96	31.04 2.15 -7.58	33.01 2.15 -9.62	35.44 2.47 -9.41	38.15 2.59 -11.35	42.35 2.82 -13.85	48.48 2.92 -19.48	34.00 2.77 -5.83	25.41 2.14 -2.70	23.14 1.60 -6.60
BROOKLYN_NAVY_YARD 23515	22.77 1.43 -6.15	21.25 1.23 -6.83	20.03 1.04 -7.73	19.18 0.85 -8.66	19.45 1.01 -6.55	19.76 1.31 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.18 1.70 -2.85	24.48 1.84 -1.45	27.15 1.74 -4.96	27.58 1.88 -4.09	28.01 1.93 -4.18	25.11 1.94 -1.38	24.94 1.91 -1.38	24.44 1.90 -1.23	25.14 1.89 -2.00	29.35 2.10 -3.70	32.55 2.20 -6.14	33.38 2.36 -5.35	33.16 2.48 -4.60	27.78 2.39 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
BROOKLYN___ARMY_DRP 323595	22.96 1.60 -6.18	21.40 1.36 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.85 1.39 -2.84	21.09 1.36 -4.25	20.91 1.34 -4.57	23.21 1.71 -2.86	24.50 1.86 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.23 2.05 -1.39	25.03 1.99 -1.39	24.55 2.00 -1.23	25.25 2.00 -2.01	29.48 2.21 -3.71	32.68 2.30 -6.16	33.46 2.41 -5.37	33.24 2.53 -4.63	27.90 2.49 -0.02	24.57 1.98 -2.01	23.02 1.48 -6.60

BROOKVLE_69_KV_TB1 55790	23.05 1.69 -6.17	21.48 1.44 -6.85	20.20 1.18 -7.75	19.34 0.99 -8.69	19.64 1.18 -6.57	19.97 1.51 -2.84	21.28 1.55 -4.25	21.07 1.50 -4.57	23.49 1.99 -2.86	29.74 2.25 -6.32	31.59 2.17 -8.98	34.12 2.31 -10.20	32.10 2.37 -7.83	31.10 2.40 -6.91	31.94 2.34 -7.96	31.19 2.30 -7.58	33.16 2.29 -9.62	35.53 2.57 -9.41	38.23 2.66 -11.35	42.35 2.82 -13.85	48.50 2.95 -19.48	34.10 2.87 -5.83	25.45 2.18 -2.70	23.11 1.57 -6.60
BROOME_2_LFGE 323671	17.63 0.33 -2.10	15.81 0.29 -2.33	14.14 0.24 -2.64	12.81 0.19 -2.96	14.39 0.26 -2.24	16.93 0.34 -0.97	17.25 0.33 -1.45	16.89 0.33 -1.55	19.96 0.35 -0.97	22.04 0.36 -0.50	22.47 0.33 -1.69	23.32 0.32 -1.40	23.75 0.42 -1.43	22.76 0.50 -0.47	22.44 0.33 -0.47	22.05 0.32 -0.42	22.25 0.32 -0.68	25.17 0.35 -1.26	26.69 0.39 -2.09	28.04 0.54 -1.82	28.25 0.60 -1.57	26.16 0.76 0.00	21.55 0.29 -0.69	17.47 0.28 -2.25
BROOME___LFGE 323600	17.63 0.33 -2.10	15.81 0.29 -2.33	14.14 0.24 -2.64	12.81 0.19 -2.96	14.39 0.26 -2.24	16.93 0.34 -0.97	17.25 0.33 -1.45	16.89 0.33 -1.55	19.96 0.35 -0.97	22.04 0.36 -0.50	22.47 0.33 -1.69	23.32 0.32 -1.40	23.75 0.42 -1.43	22.76 0.50 -0.47	22.44 0.33 -0.47	22.05 0.32 -0.42	22.25 0.32 -0.68	25.17 0.35 -1.26	26.69 0.39 -2.09	28.04 0.54 -1.82	28.25 0.60 -1.57	26.16 0.76 0.00	21.55 0.29 -0.69	17.47 0.28 -2.25
BROWNFLS_115KV_TB_3_5 80003	14.52 -0.81 -0.14	12.65 -0.69 -0.15	10.87 -0.57 -0.17	9.37 -0.49 -0.19	11.42 -0.62 -0.15	14.87 -0.81 -0.06	14.79 -0.79 -0.09	14.31 -0.80 -0.10	17.69 -1.01 -0.06	20.07 -1.14 -0.03	19.45 -1.10 -0.11	20.57 -1.12 -0.09	20.84 -1.16 -0.09	20.63 -1.20 -0.03	20.49 -1.19 -0.03	20.12 -1.21 -0.03	20.14 -1.15 -0.04	22.44 -1.20 -0.08	23.14 -1.21 -0.14	22.49 -1.26 1.93	22.10 -1.30 2.68	22.32 -1.27 1.81	19.61 -1.01 -0.04	14.34 -0.75 -0.15
BROWNSV1_27_KV_LOAD 356125	22.91 1.55 -6.17	21.36 1.32 -6.85	20.15 1.13 -7.75	19.27 0.92 -8.69	19.57 1.11 -6.57	19.88 1.42 -2.84	21.16 1.42 -4.25	21.01 1.44 -4.57	23.34 1.84 -2.86	24.65 2.01 -1.46	27.35 1.92 -4.98	27.79 2.07 -4.12	28.24 2.12 -4.21	25.34 2.16 -1.39	25.14 2.10 -1.39	24.63 2.09 -1.23	25.34 2.08 -2.01	29.57 2.31 -3.71	32.80 2.42 -6.16	33.64 2.59 -5.37	33.45 2.74 -4.63	28.03 2.62 -0.02	24.59 2.00 -2.01	22.99 1.45 -6.60
BURROWS___LYONSDAL 23803	15.35 -0.06 -0.22	13.39 -0.04 -0.25	11.51 -0.03 -0.28	9.95 -0.03 -0.31	12.09 -0.04 -0.24	15.67 -0.05 -0.10	15.61 -0.03 -0.15	15.11 -0.06 -0.16	18.61 -0.13 -0.10	21.04 -0.19 -0.05	20.42 -0.20 -0.18	21.56 -0.19 -0.15	21.88 -0.18 -0.15	21.63 -0.22 -0.05	21.44 -0.26 -0.05	21.08 -0.28 -0.04	21.10 -0.21 -0.07	23.52 -0.16 -0.13	24.39 -0.05 -0.22	26.31 0.03 -0.61	26.81 0.00 -0.73	25.74 -0.03 -0.37	20.63 -0.02 -0.07	15.15 -0.03 -0.24
CAITHNESS_CC_1 323624	23.11 1.76 -6.15	21.52 1.50 -6.84	20.22 1.22 -7.73	19.34 1.01 -8.67	19.63 1.19 -6.56	19.99 1.55 -2.83	21.32 1.60 -4.24	21.06 1.50 -4.56	23.54 2.05 -2.85	29.82 2.33 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.88 2.17 -7.81	30.92 2.22 -6.90	31.74 2.14 -7.95	31.06 2.17 -7.58	33.03 2.17 -9.62	35.45 2.50 -9.40	38.15 2.62 -11.32	42.32 2.82 -13.83	48.45 2.92 -19.45	33.98 2.77 -5.81	25.45 2.16 -2.72	23.23 1.61 -6.68
CALPINE BETH_PAGE_GT4 24209	23.15 1.79 -6.17	21.54 1.50 -6.85	20.26 1.24 -7.75	19.38 1.02 -8.69	19.69 1.22 -6.57	20.03 1.58 -2.84	21.34 1.61 -4.25	21.12 1.55 -4.57	23.56 2.07 -2.86	29.83 2.33 -6.32	31.61 2.19 -8.98	34.12 2.31 -10.20	32.12 2.39 -7.83	31.10 2.40 -6.91	31.94 2.34 -7.96	31.21 2.32 -7.58	33.10 2.23 -9.62	35.51 2.54 -9.41	38.20 2.64 -11.35	42.35 2.82 -13.85	48.50 2.95 -19.48	34.07 2.84 -5.83	25.58 2.30 -2.70	23.20 1.66 -6.60
CALPINE_BETH_PAGE_GT_4 323586	23.14 1.79 -6.15	21.52 1.50 -6.84	20.24 1.24 -7.73	19.35 1.02 -8.67	19.67 1.22 -6.56	20.02 1.58 -2.83	21.35 1.63 -4.24	21.10 1.55 -4.56	23.56 2.07 -2.85	29.82 2.33 -6.31	31.60 2.19 -8.96	34.09 2.31 -10.18	32.08 2.37 -7.81	31.09 2.40 -6.90	31.94 2.34 -7.95	31.21 2.32 -7.58	33.09 2.23 -9.62	35.48 2.52 -9.40	38.18 2.64 -11.32	42.32 2.82 -13.83	48.47 2.95 -19.45	34.05 2.84 -5.81	25.60 2.30 -2.72	23.28 1.66 -6.68
CALPINE_BP_GT1 23823	23.14 1.79 -6.15	21.52 1.50 -6.84	20.24 1.24 -7.73	19.35 1.02 -8.67	19.67 1.22 -6.56	20.02 1.58 -2.83	21.35 1.63 -4.24	21.10 1.55 -4.56	23.56 2.07 -2.85	29.82 2.33 -6.31	31.60 2.19 -8.96	34.09 2.31 -10.18	32.08 2.37 -7.81	31.09 2.40 -6.90	31.94 2.34 -7.95	31.21 2.32 -7.58	33.09 2.23 -9.62	35.48 2.52 -9.40	38.18 2.64 -11.32	42.32 2.82 -13.83	48.47 2.95 -19.45	34.05 2.84 -5.81	25.60 2.30 -2.72	23.28 1.66 -6.68
CALSPAN___DRP 24200	15.93 -0.41 -1.15	14.11 -0.36 -1.27	12.42 -0.29 -1.44	11.01 -0.27 -1.62	12.88 -0.24 -1.22	15.82 -0.33 -0.53	15.87 -0.40 -0.79	15.37 -0.48 -0.85	18.35 -0.82 -0.53	20.41 -1.04 -0.27	20.35 -1.02 -0.93	20.60 -1.17 -0.17	20.95 -0.96 -0.01	20.98 -0.78 0.03	20.55 -1.15 -0.05	20.43 -1.11 -0.23	20.47 -1.15 -0.37	23.00 -1.25 -0.69	23.76 -1.19 -0.73	25.70 -1.00 -1.03	25.75 -0.94 -0.61	24.25 -0.58 0.56	19.58 -1.09 -0.09	15.69 -0.48 -1.23
CALVERTON___SOLAR 323806	23.14 1.79 -6.15	21.55 1.53 -6.84	20.24 1.24 -7.73	19.34 1.01 -8.67	19.66 1.21 -6.56	20.01 1.56 -2.83	21.35 1.63 -4.24	21.07 1.51 -4.56	23.57 2.09 -2.85	29.86 2.37 -6.31	31.46 2.04 -8.96	33.90 2.12 -10.18	31.90 2.19 -7.81	30.89 2.20 -6.90	31.74 2.14 -7.95	31.04 2.15 -7.58	33.03 2.17 -9.62	35.45 2.50 -9.40	38.18 2.64 -11.32	42.35 2.85 -13.83	48.50 2.97 -19.45	34.00 2.79 -5.81	25.47 2.18 -2.72	23.25 1.63 -6.68
CANDIGU_WT_PWR 323617	16.66 0.02 -1.45	14.80 0.00 -1.62	13.10 0.00 -1.83	11.69 -0.02 -2.05	13.48 0.04 -1.55	16.32 0.03 -0.67	16.45 -0.03 -1.00	16.03 -0.04 -1.08	19.12 -0.19 -0.67	21.23 -0.30 -0.34	21.29 -0.33 -1.17	15.50 -0.41 5.69	13.95 -0.26 7.69	18.81 -0.11 2.88	19.23 -0.39 2.03	21.26 -0.34 -0.29	21.38 -0.34 -0.47	24.10 -0.33 -0.87	20.73 -0.29 3.20	26.86 -0.08 -1.26	23.94 -0.05 2.08	19.04 0.25 6.61	17.45 -0.43 2.69	16.38 -0.12 -1.56
CARR STREET_E_SYR 24060	15.88 0.06 -0.63	13.94 0.05 -0.70	12.09 0.03 -0.79	10.57 0.02 -0.88	12.59 0.04 -0.67	15.95 0.05 -0.29	15.96 0.05 -0.43	15.53 0.06 -0.46	18.96 0.04 -0.29	21.37 0.04 -0.15	20.99 0.04 -0.51	22.04 0.02 -0.42	22.38 0.04 -0.43	21.98 0.04 -0.14	21.83 0.04 -0.14	21.50 0.06 -0.13	21.49 0.04 -0.20	23.96 0.02 -0.38	24.86 0.02 -0.63	26.38 0.10 -0.61	26.73 0.10 -0.55	25.50 0.05 -0.05	20.76 -0.02 -0.20	15.64 0.03 -0.67
CARTHAGE___PAPER 23857	15.13 -0.41 -0.34	13.23 -0.34 -0.38	11.41 -0.29 -0.43	9.90 -0.25 -0.48	11.95 -0.31 -0.37	15.35 -0.42 -0.16	15.29 -0.43 -0.24	14.76 -0.49 -0.25	18.08 -0.71 -0.16	20.39 -0.87 -0.08	19.95 -0.78 -0.28	21.01 -0.82 -0.23	21.28 -0.85 -0.23	20.96 -0.91 -0.08	20.77 -0.95 -0.08	20.42 -0.96 -0.07	20.48 -0.87 -0.11	22.99 -0.78 -0.21	23.93 -0.63 -0.34	26.18 -0.49 -1.00	26.82 -0.47 -1.21	25.51 -0.51 -0.62	20.19 -0.49 -0.11	14.92 -0.39 -0.37

CASSADAGA_WT_PWR 323784	15.82 -0.53 -1.16	13.99 -0.49 -1.29	12.26 -0.46 -1.46	10.87 -0.43 -1.63	12.72 -0.40 -1.24	15.64 -0.51 -0.53	15.75 -0.53 -0.80	15.29 -0.57 -0.86	18.31 -0.86 -0.54	20.46 -1.00 -0.27	20.46 -0.92 -0.94	20.39 -1.10 0.11	20.73 -0.81 0.36	21.04 -0.59 0.17	20.56 -1.04 0.05	20.69 -0.85 -0.23	20.86 -0.76 -0.38	23.38 -0.87 -0.70	23.83 -0.92 -0.54	25.91 -0.77 -1.01	25.74 -0.78 -0.45	24.22 -0.30 0.88	19.34 -1.19 0.04	15.57 -0.61 -1.24
CE_DUNWOOD___DRP 24194	22.72 1.37 -6.16	21.20 1.17 -6.84	20.01 1.00 -7.74	19.16 0.82 -8.68	19.44 0.99 -6.56	19.73 1.28 -2.83	21.00 1.27 -4.24	20.82 1.26 -4.56	23.11 1.62 -2.86	24.44 1.80 -1.46	27.16 1.74 -4.97	27.57 1.86 -4.11	28.01 1.91 -4.20	25.09 1.92 -1.38	24.90 1.86 -1.39	24.40 1.85 -1.23	25.10 1.85 -2.01	29.31 2.05 -3.70	32.47 2.11 -6.15	33.32 2.28 -5.36	33.10 2.40 -4.63	27.73 2.31 -0.02	24.32 1.73 -2.01	22.78 1.25 -6.59
CE_MILLWOOD___DRP 24193	22.68 1.34 -6.15	21.17 1.15 -6.84	19.98 0.98 -7.73	19.14 0.81 -8.67	19.42 0.98 -6.56	19.70 1.25 -2.83	20.96 1.24 -4.24	20.79 1.23 -4.56	23.09 1.60 -2.85	24.39 1.76 -1.45	27.11 1.70 -4.96	27.52 1.81 -4.10	27.96 1.86 -4.19	25.05 1.87 -1.38	24.85 1.82 -1.39	24.35 1.81 -1.23	25.05 1.81 -2.01	29.26 2.00 -3.70	32.44 2.08 -6.14	33.26 2.23 -5.36	33.05 2.35 -4.62	27.68 2.26 -0.02	24.27 1.69 -2.01	22.75 1.22 -6.58
CE_NYC2_DRP 24202	22.90 1.53 -6.18	21.35 1.31 -6.85	20.14 1.12 -7.75	19.27 0.92 -8.69	19.56 1.09 -6.57	19.85 1.39 -2.84	21.09 1.36 -4.25	20.92 1.35 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.03 1.99 -1.39	24.53 1.98 -1.23	25.21 1.95 -2.01	29.43 2.17 -3.71	32.63 2.25 -6.16	33.43 2.39 -5.37	33.21 2.50 -4.63	27.85 2.44 -0.02	24.50 1.91 -2.01	22.97 1.43 -6.60
CE_NYC_DRP 24195	22.83 1.47 -6.17	21.29 1.25 -6.85	20.09 1.07 -7.75	19.23 0.88 -8.69	19.51 1.05 -6.57	19.80 1.34 -2.84	21.08 1.35 -4.25	20.92 1.35 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.21 1.95 -2.01	29.41 2.14 -3.71	32.63 2.25 -6.16	33.46 2.41 -5.37	33.27 2.56 -4.63	27.85 2.44 -0.02	24.46 1.87 -2.01	22.91 1.37 -6.60
CHAFFEE___LFGE 323603	15.84 -0.50 -1.14	14.04 -0.42 -1.27	12.35 -0.36 -1.44	10.96 -0.32 -1.61	12.81 -0.30 -1.22	15.74 -0.41 -0.53	15.79 -0.48 -0.79	15.29 -0.55 -0.85	18.27 -0.89 -0.53	20.33 -1.12 -0.27	20.25 -1.12 -0.92	20.06 -1.30 0.24	20.37 -1.01 0.53	20.76 -0.81 0.23	20.29 -1.26 0.10	20.33 -1.21 -0.23	20.38 -1.23 -0.37	22.88 -1.37 -0.69	23.35 -1.31 -0.44	25.54 -1.13 -0.99	25.36 -1.09 -0.38	23.90 -0.51 0.99	19.26 -1.21 0.10	15.61 -0.55 -1.23
CHATEAUG_35_KV_LOAD 355732	14.16 -1.06 -0.03	12.31 -0.91 -0.03	10.52 -0.79 -0.04	9.02 -0.69 -0.04	11.09 -0.83 -0.03	14.52 -1.11 -0.01	14.45 -1.05 -0.02	14.02 -1.01 -0.02	17.38 -1.27 -0.01	19.90 -1.29 -0.01	19.22 -1.25 -0.02	20.37 -1.25 -0.02	20.61 -1.31 -0.02	20.51 -1.29 -0.01	20.36 -1.30 -0.01	19.97 -1.34 -0.01	19.96 -1.30 -0.01	22.09 -1.48 -0.02	22.65 -1.60 -0.03	23.20 -1.75 0.72	23.26 -1.83 1.00	22.98 -1.75 0.66	19.19 -1.40 -0.01	13.95 -1.02 -0.03
CHATEAUG_WT_PWR 323614	14.08 -1.11 0.00	12.24 -0.95 0.00	10.45 -0.82 0.00	8.96 -0.71 0.00	11.03 -0.86 0.00	14.48 -1.14 0.00	14.38 -1.10 0.00	13.97 -1.03 0.00	17.35 -1.29 0.00	19.89 -1.29 0.00	19.22 -1.23 0.00	20.37 -1.23 0.00	20.63 -1.27 0.00	20.53 -1.26 0.00	20.37 -1.28 0.00	19.99 -1.32 0.00	19.95 -1.30 0.00	22.05 -1.51 0.00	22.57 -1.65 0.00	23.03 -1.80 0.84	23.06 -1.88 1.14	22.83 -1.83 0.74	19.13 -1.44 0.00	13.89 -1.05 0.00
CHAT_HIGH_FALL_HYD 323578	14.13 -1.06 0.00	12.28 -0.91 0.00	10.48 -0.79 0.00	8.98 -0.69 0.00	11.06 -0.83 0.00	14.51 -1.11 0.00	14.43 -1.05 0.00	14.00 -1.00 0.00	17.36 -1.27 0.00	19.89 -1.29 0.00	19.22 -1.23 0.00	20.35 -1.25 0.00	20.59 -1.31 0.00	20.51 -1.29 0.00	20.35 -1.30 0.00	19.97 -1.34 0.00	19.95 -1.30 0.00	22.07 -1.48 0.00	22.62 -1.60 0.00	23.03 -1.75 0.89	23.04 -1.83 1.21	22.86 -1.75 0.79	19.18 -1.40 0.00	13.92 -1.02 0.00
CHAUTAUQUA___LFGE 323629	15.91 -0.41 -1.13	14.07 -0.37 -1.26	12.36 -0.33 -1.42	10.95 -0.31 -1.59	12.83 -0.26 -1.20	15.79 -0.34 -0.52	15.87 -0.39 -0.78	15.39 -0.45 -0.84	18.41 -0.75 -0.52	20.56 -0.89 -0.27	20.54 -0.82 -0.91	20.24 -1.02 0.34	20.46 -0.79 0.65	20.89 -0.63 0.27	20.58 -0.93 0.13	20.71 -0.83 -0.23	20.78 -0.83 -0.37	23.32 -0.92 -0.68	23.63 -0.94 -0.36	25.91 -0.75 -0.98	25.67 -0.73 -0.32	23.91 -0.41 1.08	19.33 -1.09 0.15	15.66 -0.49 -1.21
CHERRYST_13_KV_LD 356241	22.86 1.50 -6.17	21.32 1.28 -6.85	20.11 1.09 -7.75	19.25 0.90 -8.69	19.53 1.07 -6.57	19.85 1.39 -2.84	21.13 1.39 -4.25	20.97 1.40 -4.57	23.28 1.79 -2.86	24.59 1.95 -1.46	27.29 1.86 -4.98	27.71 1.99 -4.12	28.15 2.04 -4.21	25.27 2.09 -1.39	25.07 2.03 -1.39	24.55 2.00 -1.23	25.27 2.02 -2.01	29.48 2.21 -3.71	32.70 2.32 -6.16	33.53 2.49 -5.37	33.32 2.61 -4.63	27.90 2.49 -0.02	24.52 1.93 -2.01	22.94 1.40 -6.60
CHESTROR_138KV_BK263 355645	22.35 1.19 -5.97	20.84 1.02 -6.63	19.64 0.87 -7.50	18.79 0.72 -8.41	19.12 0.87 -6.36	19.47 1.11 -2.75	20.70 1.10 -4.11	20.50 1.08 -4.42	22.80 1.40 -2.77	24.14 1.55 -1.41	26.76 1.49 -4.82	27.19 1.60 -3.99	27.62 1.64 -4.07	24.79 1.66 -1.34	24.60 1.60 -1.35	24.08 1.58 -1.20	24.78 1.59 -1.95	28.91 1.77 -3.59	31.99 1.82 -5.96	32.82 1.95 -5.20	32.65 2.09 -4.49	27.45 2.03 -0.02	24.01 1.48 -1.95	22.40 1.08 -6.39
CH_MIDHUDSON___DRP 24192	22.71 1.29 -6.22	21.21 1.11 -6.91	20.03 0.95 -7.82	19.22 0.79 -8.77	19.47 0.95 -6.63	19.71 1.23 -2.86	20.99 1.22 -4.29	20.80 1.19 -4.61	23.07 1.55 -2.89	24.37 1.72 -1.47	27.15 1.68 -5.02	27.55 1.79 -4.15	27.99 1.84 -4.24	25.02 1.83 -1.40	24.83 1.78 -1.40	24.30 1.75 -1.25	25.03 1.76 -2.03	29.23 1.93 -3.74	32.41 1.99 -6.21	33.25 2.16 -5.42	33.02 2.27 -4.67	27.63 2.21 -0.02	24.21 1.60 -2.03	22.75 1.15 -6.66
CH_MISC_IPPS 23765	22.73 1.37 -6.17	21.22 1.17 -6.86	20.03 1.00 -7.76	19.18 0.82 -8.70	19.47 1.00 -6.58	19.75 1.30 -2.84	21.02 1.28 -4.25	20.82 1.24 -4.57	23.10 1.60 -2.86	24.44 1.80 -1.46	27.19 1.76 -4.98	27.59 1.88 -4.11	28.03 1.93 -4.19	25.09 1.92 -1.38	24.90 1.86 -1.39	24.38 1.83 -1.24	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.30 2.26 -5.37	33.10 2.40 -4.62	27.71 2.31 0.00	24.30 1.69 -2.04	22.86 1.23 -6.70
CH_RES_BVR_FALLS 23983	14.52 -0.67 0.00	12.61 -0.58 0.00	10.77 -0.50 0.00	9.25 -0.42 0.00	11.38 -0.51 0.00	14.95 -0.67 0.00	14.82 -0.67 0.00	14.37 -0.63 0.00	17.85 -0.78 0.00	20.29 -0.89 0.00	19.59 -0.86 0.00	20.70 -0.91 0.00	20.99 -0.92 0.00	20.90 -0.89 0.00	20.76 -0.89 0.00	20.44 -0.87 0.00	20.39 -0.85 0.00	22.61 -0.94 0.00	23.25 -0.97 0.00	24.27 -1.05 0.35	24.56 -1.04 0.47	24.10 -0.99 0.31	19.84 -0.74 0.00	14.39 -0.55 0.00

CH_RES_NIAGARA 23895	15.53 -0.68 -1.02	13.74 -0.58 -1.14	12.07 -0.48 -1.29	10.69 -0.42 -1.44	12.56 -0.42 -1.09	15.53 -0.56 -0.47	15.46 -0.70 -0.68	14.95 -0.78 -0.73	17.88 -1.23 -0.47	19.92 -1.50 -0.24	19.80 -1.47 -0.83	19.98 -1.36 0.26	19.95 -1.42 0.53	19.74 -1.83 0.22	19.90 -1.65 0.10	19.92 -1.60 -0.20	19.94 -1.64 -0.33	22.36 -1.81 -0.61	23.12 -1.45 -0.36	24.94 -1.62 -0.89	24.86 -1.54 -0.32	22.86 -1.60 0.94	18.94 -1.52 0.11	15.27 -0.73 -1.07
CH_RES_SYRACUSE 23985	16.04 0.15 -0.70	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.73 0.09 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.67 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.24 0.17 -0.46	22.57 0.20 -0.47	22.14 0.20 -0.16	21.98 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.17 -0.42	25.08 0.17 -0.69	26.56 0.23 -0.66	26.90 0.23 -0.59	25.62 0.18 -0.05	20.86 0.06 -0.23	15.79 0.11 -0.75
CLINTON_WT_PWR 323605	14.08 -1.11 0.00	12.24 -0.95 0.00	10.45 -0.82 0.00	8.96 -0.71 0.00	11.03 -0.86 0.00	14.48 -1.14 0.00	14.38 -1.10 0.00	13.97 -1.03 0.00	17.35 -1.29 0.00	19.89 -1.29 0.00	19.22 -1.23 0.00	20.37 -1.23 0.00	20.63 -1.27 0.00	20.53 -1.26 0.00	20.37 -1.28 0.00	19.99 -1.32 0.00	19.95 -1.30 0.00	22.05 -1.51 0.00	22.57 -1.65 0.00	23.03 -1.80 0.84	23.06 -1.88 1.14	22.83 -1.83 0.74	19.13 -1.44 0.00	13.89 -1.05 0.00
CLINTON___LFGE 323618	14.17 -1.02 0.00	12.32 -0.87 0.00	10.51 -0.75 0.00	9.01 -0.66 0.00	11.11 -0.79 0.00	14.57 -1.05 0.00	14.49 -0.99 0.00	14.07 -0.93 0.00	17.48 -1.16 0.00	20.04 -1.14 0.00	19.34 -1.10 0.00	20.50 -1.10 0.00	20.77 -1.14 0.00	20.66 -1.13 0.00	20.48 -1.17 0.00	20.07 -1.24 0.00	20.07 -1.17 0.00	22.24 -1.32 0.00	22.76 -1.45 0.00	23.23 -1.59 0.85	23.28 -1.64 1.16	23.05 -1.60 0.75	19.26 -1.32 0.00	14.00 -0.94 0.00
COBBLENY_34_KV_TB1 80064	15.89 -0.50 -1.19	14.09 -0.42 -1.33	12.41 -0.36 -1.50	11.03 -0.32 -1.68	12.87 -0.30 -1.27	15.76 -0.41 -0.55	15.82 -0.48 -0.82	15.33 -0.56 -0.88	18.29 -0.89 -0.55	20.34 -1.12 -0.28	20.29 -1.12 -0.96	20.62 -1.27 -0.29	21.10 -0.96 -0.16	21.10 -0.72 -0.02	20.50 -1.23 -0.09	20.33 -1.21 -0.24	20.40 -1.23 -0.39	22.91 -1.37 -0.72	23.75 -1.31 -0.84	25.61 -1.13 -1.07	25.68 -1.10 -0.69	24.42 -0.51 0.47	19.51 -1.21 -0.15	15.66 -0.55 -1.28
COFFEEN___115KV_TB3 355620	15.32 -0.23 -0.35	13.39 -0.18 -0.39	11.57 -0.15 -0.44	10.04 -0.13 -0.50	12.11 -0.15 -0.38	15.55 -0.23 -0.16	15.48 -0.25 -0.24	14.92 -0.35 -0.26	18.27 -0.52 -0.16	20.61 -0.66 -0.08	20.18 -0.55 -0.28	21.28 -0.56 -0.23	21.53 -0.61 -0.24	21.20 -0.68 -0.08	21.01 -0.71 -0.08	20.61 -0.77 -0.07	20.70 -0.66 -0.12	23.20 -0.57 -0.21	24.20 -0.36 -0.35	26.43 -0.13 -0.89	27.00 -0.13 -1.05	25.73 -0.18 -0.51	20.42 -0.27 -0.11	15.11 -0.21 -0.38
COLDSPRG_115KV_BK1 355956	16.14 -0.32 -1.26	14.31 -0.28 -1.40	12.60 -0.26 -1.59	11.19 -0.25 -1.78	13.03 -0.20 -1.35	15.93 -0.27 -0.58	16.04 -0.31 -0.87	15.61 -0.33 -0.93	18.64 -0.58 -0.59	20.76 -0.72 -0.30	20.75 -0.72 -1.02	21.29 -0.84 -0.53	22.06 -0.31 -0.46	22.06 0.13 -0.13	21.00 -0.82 -0.18	20.82 -0.75 -0.25	20.93 -0.72 -0.41	23.54 -0.78 -0.76	24.51 -0.75 -1.04	26.28 -0.51 -1.13	26.45 -0.47 -0.84	25.70 0.58 0.28	19.93 -0.91 -0.26	15.90 -0.39 -1.35
COLONIE_LFGE___ 323577	23.57 0.80 -7.58	22.30 0.70 -8.42	21.39 0.60 -9.52	20.85 0.51 -10.67	20.62 0.65 -8.07	19.96 0.86 -3.49	21.55 0.85 -5.22	21.42 0.81 -5.61	23.25 1.10 -3.52	24.24 1.27 -1.79	27.77 1.21 -6.11	27.90 1.25 -5.04	28.32 1.27 -5.15	24.77 1.29 -1.70	24.61 1.26 -1.70	24.06 1.24 -1.52	24.94 1.23 -2.47	29.48 1.37 -4.55	33.17 1.40 -7.56	33.77 1.51 -6.59	33.26 1.51 -5.67	26.90 1.50 0.00	24.17 1.13 -2.47	23.82 0.78 -8.11
COOPERNY_115KV_TB1 80082	21.53 1.03 -5.31	19.97 0.88 -5.90	18.69 0.75 -6.67	17.76 0.62 -7.47	18.29 0.75 -5.65	19.03 0.97 -2.44	20.10 0.96 -3.65	19.88 0.95 -3.93	22.31 1.21 -2.46	23.77 1.33 -1.25	26.02 1.29 -4.28	26.53 1.38 -3.54	26.95 1.42 -3.62	24.42 1.44 -1.19	24.21 1.36 -1.20	23.74 1.36 -1.06	24.33 1.36 -1.73	28.25 1.51 -3.19	31.09 1.57 -5.30	31.99 1.69 -4.62	31.87 1.80 -3.99	27.17 1.75 -0.02	23.61 1.30 -1.73	21.56 0.94 -5.68
COPENHAGEN_WT_PWR 323753	15.31 -0.27 -0.40	13.40 -0.22 -0.44	11.57 -0.19 -0.50	10.06 -0.16 -0.56	12.11 -0.20 -0.42	15.50 -0.30 -0.18	15.46 -0.29 -0.27	14.90 -0.39 -0.29	18.26 -0.56 -0.18	20.60 -0.68 -0.09	20.19 -0.57 -0.32	21.28 -0.58 -0.26	21.54 -0.64 -0.27	21.21 -0.68 -0.09	21.02 -0.71 -0.09	20.62 -0.77 -0.08	20.69 -0.68 -0.13	23.18 -0.61 -0.24	24.15 -0.46 -0.39	26.31 -0.26 -0.90	26.86 -0.26 -1.04	25.58 -0.30 -0.49	20.33 -0.37 -0.13	15.09 -0.27 -0.42
CORNELL____ 23752	17.26 0.53 -1.54	15.36 0.46 -1.71	13.58 0.38 -1.93	12.13 0.30 -2.17	13.92 0.39 -1.64	16.84 0.52 -0.71	17.07 0.53 -1.06	16.68 0.54 -1.14	19.92 0.58 -0.71	22.14 0.59 -0.36	22.20 0.51 -1.24	23.36 0.54 -1.21	23.79 0.59 -1.29	22.86 0.63 -0.44	22.58 0.52 -0.41	22.15 0.53 -0.31	22.32 0.57 -0.50	25.14 0.66 -0.92	26.63 0.75 -1.67	27.96 0.92 -1.37	28.30 0.94 -1.28	26.58 0.97 -0.21	21.72 0.56 -0.59	17.06 0.48 -1.65
CORONAAV_69_KV_TB1 355595	23.12 1.76 -6.17	21.53 1.49 -6.85	20.25 1.23 -7.75	19.37 1.01 -8.69	19.68 1.21 -6.57	20.02 1.56 -2.84	21.33 1.59 -4.25	21.10 1.53 -4.57	23.54 2.05 -2.86	29.83 2.33 -6.32	31.61 2.19 -8.98	34.12 2.31 -10.20	32.12 2.39 -7.83	31.10 2.40 -6.91	31.94 2.34 -7.96	31.21 2.32 -7.58	33.18 2.32 -9.62	35.53 2.57 -9.41	38.23 2.66 -11.35	42.40 2.88 -13.85	48.58 3.03 -19.48	34.12 2.90 -5.83	25.54 2.26 -2.70	23.17 1.63 -6.60
CORTLAND_115KV_TB3 80093	16.83 0.36 -1.27	14.91 0.32 -1.41	13.12 0.26 -1.59	11.65 0.20 -1.79	13.52 0.27 -1.35	16.56 0.36 -0.58	16.71 0.36 -0.87	16.30 0.36 -0.94	19.61 0.39 -0.59	21.88 0.40 -0.30	21.84 0.37 -1.02	22.88 0.39 -0.89	23.27 0.44 -0.92	22.58 0.48 -0.31	22.32 0.37 -0.30	21.95 0.38 -0.25	22.06 0.40 -0.41	24.77 0.45 -0.76	26.02 0.51 -1.30	27.43 0.62 -1.14	27.76 0.65 -1.03	26.17 0.69 -0.08	21.38 0.37 -0.44	16.61 0.31 -1.36
COXSACKIE___GT 23611	23.08 0.82 -7.07	21.74 0.70 -7.85	20.76 0.61 -8.88	20.15 0.53 -9.96	20.11 0.69 -7.53	19.81 0.94 -3.25	21.28 0.93 -4.87	21.12 0.88 -5.24	23.09 1.17 -3.28	24.19 1.34 -1.67	27.50 1.35 -5.70	27.73 1.43 -4.70	28.18 1.47 -4.80	24.77 1.40 -1.58	24.58 1.34 -1.59	24.00 1.28 -1.41	24.91 1.36 -2.30	29.34 1.53 -4.25	32.84 1.57 -7.05	33.51 1.69 -6.15	33.14 1.77 -5.29	27.15 1.75 0.00	24.07 1.19 -2.31	23.32 0.81 -7.58
CPV_VALLEY___CC1 323721	22.00 1.08 -5.73	20.47 0.92 -6.36	19.25 0.79 -7.19	18.38 0.65 -8.07	18.78 0.78 -6.10	19.25 1.00 -2.63	20.43 1.01 -3.94	20.22 0.97 -4.24	22.56 1.27 -2.66	23.93 1.40 -1.35	26.42 1.35 -4.62	26.86 1.45 -3.81	27.26 1.47 -3.89	24.56 1.48 -1.28	24.39 1.45 -1.29	23.88 1.43 -1.15	24.55 1.45 -1.87	28.58 1.58 -3.44	31.57 1.65 -5.71	32.42 1.77 -4.98	32.24 1.88 -4.28	27.23 1.83 0.00	23.82 1.36 -1.89	22.11 0.97 -6.20

CPV_VALLEY___CC2 323722	22.00 1.08 -5.73	20.47 0.92 -6.36	19.25 0.79 -7.19	18.38 0.65 -8.07	18.78 0.78 -6.10	19.25 1.00 -2.63	20.43 1.01 -3.94	20.22 0.97 -4.24	22.56 1.27 -2.66	23.93 1.40 -1.35	26.42 1.35 -4.62	26.86 1.45 -3.81	27.26 1.47 -3.89	24.56 1.48 -1.28	24.39 1.45 -1.29	23.88 1.43 -1.15	24.55 1.45 -1.87	28.58 1.58 -3.44	31.57 1.65 -5.71	32.42 1.77 -4.98	32.24 1.88 -4.28	27.23 1.83 0.00	23.82 1.36 -1.89	22.11 0.97 -6.20
CRESCENT___HYD 24018	23.57 0.80 -7.58	22.30 0.70 -8.42	21.39 0.60 -9.52	20.85 0.51 -10.67	20.62 0.65 -8.07	19.96 0.86 -3.49	21.55 0.85 -5.22	21.42 0.81 -5.61	23.25 1.10 -3.52	24.24 1.27 -1.79	27.77 1.21 -6.11	27.90 1.25 -5.04	28.32 1.27 -5.15	24.77 1.29 -1.70	24.61 1.26 -1.70	24.06 1.24 -1.52	24.94 1.23 -2.47	29.48 1.37 -4.55	33.17 1.40 -7.56	33.77 1.51 -6.59	33.26 1.51 -5.67	26.90 1.50 0.00	24.17 1.13 -2.47	23.82 0.78 -8.11
CRICKET___VALLEY_CC1 323756	22.64 1.11 -6.34	21.19 0.96 -7.04	20.07 0.83 -7.96	19.29 0.70 -8.93	19.49 0.84 -6.75	19.63 1.09 -2.92	20.93 1.08 -4.37	20.73 1.03 -4.69	22.93 1.36 -2.94	24.18 1.50 -1.50	27.01 1.45 -5.11	27.38 1.56 -4.22	27.79 1.58 -4.31	24.80 1.59 -1.42	24.63 1.56 -1.43	24.11 1.54 -1.27	24.80 1.49 -2.07	28.99 1.62 -3.81	32.23 1.69 -6.32	33.00 1.82 -5.51	32.72 1.90 -4.74	27.25 1.85 0.00	24.03 1.36 -2.10	22.78 0.96 -6.89
CRICKET___VALLEY_CC2 323757	22.64 1.11 -6.34	21.19 0.96 -7.04	20.07 0.83 -7.96	19.29 0.70 -8.93	19.49 0.84 -6.75	19.63 1.09 -2.92	20.93 1.08 -4.37	20.73 1.03 -4.69	22.93 1.36 -2.94	24.18 1.50 -1.50	27.01 1.45 -5.11	27.38 1.56 -4.22	27.79 1.58 -4.31	24.80 1.59 -1.42	24.63 1.56 -1.43	24.11 1.54 -1.27	24.80 1.49 -2.07	28.99 1.62 -3.81	32.23 1.69 -6.32	33.00 1.82 -5.51	32.72 1.90 -4.74	27.25 1.85 0.00	24.03 1.36 -2.10	22.78 0.96 -6.89
CRICKET___VALLEY_CC3 323758	22.64 1.11 -6.34	21.19 0.96 -7.04	20.07 0.83 -7.96	19.29 0.70 -8.93	19.49 0.84 -6.75	19.63 1.09 -2.92	20.93 1.08 -4.37	20.73 1.03 -4.69	22.93 1.36 -2.94	24.18 1.50 -1.50	27.01 1.45 -5.11	27.38 1.56 -4.22	27.79 1.58 -4.31	24.80 1.59 -1.42	24.63 1.56 -1.43	24.11 1.54 -1.27	24.80 1.49 -2.07	28.99 1.62 -3.81	32.23 1.69 -6.32	33.00 1.82 -5.51	32.72 1.90 -4.74	27.25 1.85 0.00	24.03 1.36 -2.10	22.78 0.96 -6.89
CRUCIBLE_METL_DRP 24180	16.04 0.15 -0.69	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.72 0.10 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.66 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.26 0.17 -0.49	22.61 0.20 -0.50	22.16 0.20 -0.17	21.99 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.16 -0.42	25.09 0.17 -0.71	26.54 0.23 -0.64	26.90 0.23 -0.58	25.64 0.18 -0.06	20.88 0.06 -0.24	15.78 0.10 -0.74
DAHOWA___HYDRO 323763	23.85 0.94 -7.71	22.56 0.80 -8.57	21.63 0.68 -9.69	21.12 0.59 -10.86	20.87 0.76 -8.22	20.18 1.01 -3.55	21.79 0.99 -5.31	21.67 0.96 -5.71	23.53 1.32 -3.58	24.55 1.55 -1.82	28.16 1.49 -6.22	28.27 1.53 -5.13	28.70 1.56 -5.24	25.09 1.57 -1.73	24.92 1.54 -1.73	24.35 1.49 -1.54	25.24 1.49 -2.51	29.86 1.67 -4.64	33.63 1.72 -7.69	34.20 1.82 -6.70	33.65 1.80 -5.77	27.18 1.78 0.00	24.41 1.32 -2.51	24.10 0.91 -8.25
DANC___LFGE 323619	15.45 -0.20 -0.45	13.52 -0.17 -0.51	11.69 -0.15 -0.57	10.17 -0.14 -0.64	12.22 -0.15 -0.48	15.59 -0.23 -0.21	15.55 -0.25 -0.31	15.04 -0.30 -0.34	18.40 -0.45 -0.21	20.76 -0.53 -0.11	20.36 -0.45 -0.37	21.45 -0.45 -0.30	21.75 -0.46 -0.31	21.39 -0.50 -0.10	21.21 -0.54 -0.10	20.83 -0.57 -0.09	20.86 -0.53 -0.15	23.31 -0.52 -0.27	24.26 -0.41 -0.45	26.21 -0.23 -0.77	26.72 -0.21 -0.85	25.45 -0.28 -0.33	20.42 -0.31 -0.15	15.22 -0.21 -0.49
DANSKAMMER___1 23586	22.73 1.37 -6.17	21.22 1.17 -6.86	20.03 1.00 -7.76	19.18 0.82 -8.70	19.47 1.00 -6.58	19.75 1.30 -2.84	21.02 1.28 -4.25	20.82 1.24 -4.57	23.10 1.60 -2.86	24.44 1.80 -1.46	27.19 1.76 -4.98	27.59 1.88 -4.11	28.03 1.93 -4.19	25.09 1.92 -1.38	24.90 1.86 -1.39	24.38 1.83 -1.24	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.30 2.26 -5.37	33.10 2.40 -4.62	27.71 2.31 0.00	24.30 1.69 -2.04	22.86 1.23 -6.70
DANSKAMMER___2 23589	22.73 1.37 -6.17	21.22 1.17 -6.86	20.03 1.00 -7.76	19.18 0.82 -8.70	19.47 1.00 -6.58	19.75 1.30 -2.84	21.02 1.28 -4.25	20.82 1.24 -4.57	23.10 1.60 -2.86	24.44 1.80 -1.46	27.19 1.76 -4.98	27.59 1.88 -4.11	28.03 1.93 -4.19	25.09 1.92 -1.38	24.90 1.86 -1.39	24.38 1.83 -1.24	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.30 2.26 -5.37	33.10 2.40 -4.62	27.71 2.31 0.00	24.30 1.69 -2.04	22.86 1.23 -6.70
DANSKAMMER___3 23590	22.73 1.37 -6.17	21.22 1.17 -6.86	20.03 1.00 -7.76	19.18 0.82 -8.70	19.47 1.00 -6.58	19.75 1.30 -2.84	21.02 1.28 -4.25	20.82 1.24 -4.57	23.10 1.60 -2.86	24.44 1.80 -1.46	27.19 1.76 -4.98	27.59 1.88 -4.11	28.03 1.93 -4.19	25.09 1.92 -1.38	24.90 1.86 -1.39	24.38 1.83 -1.24	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.30 2.26 -5.37	33.10 2.40 -4.62	27.71 2.31 0.00	24.30 1.69 -2.04	22.86 1.23 -6.70
DANSKAMMER___4 23591	22.73 1.37 -6.17	21.22 1.17 -6.86	20.03 1.00 -7.76	19.18 0.82 -8.70	19.47 1.00 -6.58	19.75 1.30 -2.84	21.02 1.28 -4.25	20.82 1.24 -4.57	23.10 1.60 -2.86	24.44 1.80 -1.46	27.19 1.76 -4.98	27.59 1.88 -4.11	28.03 1.93 -4.19	25.09 1.92 -1.38	24.90 1.86 -1.39	24.38 1.83 -1.24	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.30 2.26 -5.37	33.10 2.40 -4.62	27.71 2.31 0.00	24.30 1.69 -2.04	22.86 1.23 -6.70
DANSKAMMER___DIESEL 23592	22.72 1.37 -6.16	21.20 1.17 -6.84	20.01 1.00 -7.74	19.16 0.82 -8.68	19.45 1.00 -6.56	19.75 1.30 -2.83	21.01 1.29 -4.24	20.81 1.25 -4.56	23.09 1.60 -2.86	24.44 1.80 -1.46	27.18 1.76 -4.97	27.59 1.88 -4.11	28.03 1.93 -4.20	25.09 1.92 -1.38	24.90 1.86 -1.39	24.38 1.83 -1.23	25.10 1.85 -2.01	29.29 2.03 -3.70	32.47 2.11 -6.15	33.30 2.26 -5.36	33.10 2.40 -4.63	27.75 2.34 -0.02	24.27 1.69 -2.01	22.76 1.22 -6.59
DARBY___SOLAR 323810	23.88 0.93 -7.76	22.61 0.80 -8.62	21.69 0.68 -9.75	21.18 0.59 -10.93	20.91 0.75 -8.27	20.19 1.00 -3.57	21.80 0.98 -5.34	21.69 0.95 -5.75	23.52 1.29 -3.60	24.54 1.52 -1.83	28.16 1.45 -6.26	28.26 1.49 -5.17	28.72 1.53 -5.28	25.08 1.55 -1.74	24.91 1.52 -1.75	24.33 1.47 -1.55	25.24 1.47 -2.53	29.85 1.63 -4.66	33.63 1.67 -7.74	34.22 1.80 -6.75	33.67 1.77 -5.82	27.16 1.75 -0.01	24.40 1.30 -2.53	24.14 0.90 -8.30
DASHVILLE___HYD 23610	22.59 1.03 -6.37	21.15 0.88 -7.08	20.03 0.75 -8.00	19.24 0.61 -8.97	19.40 0.73 -6.79	19.47 0.92 -2.93	20.78 0.91 -4.39	20.60 0.89 -4.72	22.76 1.17 -2.95	23.96 1.27 -1.51	26.79 1.21 -5.14	27.15 1.30 -4.25	27.58 1.34 -4.34	24.55 1.33 -1.43	24.38 1.30 -1.44	23.86 1.28 -1.27	24.61 1.30 -2.08	28.80 1.41 -3.83	32.05 1.48 -6.36	32.83 1.62 -5.54	32.61 1.75 -4.78	27.37 1.96 -0.02	23.91 1.26 -2.08	22.66 0.91 -6.82

DEERFIELD_69_KV_DEERFIELD LD 355887	23.41 2.05 -6.17	21.78 1.74 -6.85	20.43 1.41 -7.75	19.52 1.17 -8.69	19.86 1.39 -6.57	20.27 1.81 -2.84	21.59 1.86 -4.25	21.33 1.76 -4.57	23.92 2.42 -2.86	30.27 2.77 -6.32	31.90 2.47 -8.98	34.40 2.59 -10.20	32.37 2.63 -7.83	31.36 2.66 -6.91	32.18 2.58 -7.96	31.45 2.56 -7.58	33.46 2.59 -9.62	35.98 3.02 -9.41	38.71 3.15 -11.35	42.94 3.41 -13.85	49.10 3.55 -19.48	34.55 3.33 -5.83	25.80 2.53 -2.70	23.41 1.87 -6.60
DELAWARE___LFGE 323621	19.11 0.71 -3.20	17.35 0.61 -3.56	15.81 0.52 -4.02	14.61 0.43 -4.51	15.84 0.54 -3.41	17.79 0.70 -1.47	18.40 0.71 -2.20	18.06 0.69 -2.37	20.99 0.88 -1.48	22.89 0.95 -0.76	23.95 0.92 -2.58	24.77 1.02 -2.15	25.18 1.07 -2.20	23.61 1.09 -0.73	23.37 1.00 -0.73	22.91 0.96 -0.64	23.26 0.98 -1.04	26.56 1.08 -1.92	28.56 1.14 -3.21	29.73 1.26 -2.80	29.81 1.30 -2.42	26.78 1.35 -0.04	22.55 0.93 -1.05	19.05 0.69 -3.42
DERFIELD_115KV_TB7 355931	15.30 0.06 -0.05	13.28 0.04 -0.06	11.38 0.05 -0.06	9.76 0.03 -0.07	11.99 0.05 -0.05	15.70 0.06 -0.02	15.58 0.06 -0.03	15.10 0.06 -0.04	18.73 0.07 -0.02	21.26 0.06 -0.01	20.55 0.06 -0.04	21.70 0.06 -0.03	22.01 0.07 -0.03	21.87 0.07 -0.01	21.72 0.06 -0.01	21.38 0.06 -0.01	21.32 0.06 -0.02	23.66 0.07 -0.03	24.34 0.07 -0.05	25.82 0.10 -0.05	26.23 0.10 -0.05	25.51 0.10 -0.01	20.67 0.08 -0.02	15.05 0.06 -0.05
DOGLEVILLE___HYD 23807	15.23 -0.08 -0.11	13.24 -0.07 -0.12	11.35 -0.06 -0.14	9.77 -0.05 -0.16	11.95 -0.06 -0.12	15.59 -0.08 -0.05	15.48 -0.08 -0.08	14.99 -0.09 -0.08	18.57 -0.11 -0.05	21.06 -0.15 -0.03	20.35 -0.18 -0.09	21.50 -0.17 -0.07	21.78 -0.20 -0.08	21.64 -0.18 -0.02	21.48 -0.20 -0.03	21.14 -0.19 -0.02	21.07 -0.21 -0.04	23.39 -0.24 -0.07	24.11 -0.22 -0.11	25.59 -0.18 -0.10	25.98 -0.18 -0.08	25.30 -0.10 0.00	20.65 0.04 -0.04	15.10 0.04 -0.12
DUNKIRK___115KV_TB_200 55889	15.98 -0.40 -1.18	14.15 -0.34 -1.31	12.43 -0.32 -1.48	11.03 -0.29 -1.66	12.90 -0.25 -1.25	15.83 -0.33 -0.54	15.92 -0.37 -0.81	15.44 -0.44 -0.87	18.45 -0.73 -0.55	20.57 -0.89 -0.28	20.58 -0.82 -0.95	20.88 -0.97 -0.25	21.25 -0.77 -0.11	21.23 -0.57 -0.01	20.79 -0.93 -0.08	20.72 -0.83 -0.24	20.80 -0.83 -0.38	23.35 -0.92 -0.71	24.10 -0.92 -0.80	25.98 -0.74 -1.05	26.04 -0.70 -0.67	24.51 -0.38 0.50	19.64 -1.07 -0.13	15.72 -0.48 -1.26
DUNKIRK___1 23563	15.98 -0.40 -1.18	14.15 -0.34 -1.31	12.43 -0.32 -1.48	11.03 -0.29 -1.66	12.90 -0.25 -1.25	15.83 -0.33 -0.54	15.92 -0.37 -0.81	15.44 -0.44 -0.87	18.45 -0.73 -0.55	20.57 -0.89 -0.28	20.58 -0.82 -0.95	20.88 -0.97 -0.25	21.25 -0.77 -0.11	21.23 -0.57 -0.01	20.79 -0.93 -0.08	20.72 -0.83 -0.24	20.80 -0.83 -0.38	23.35 -0.92 -0.71	24.10 -0.92 -0.80	25.98 -0.74 -1.05	26.04 -0.70 -0.67	24.51 -0.38 0.50	19.64 -1.07 -0.13	15.72 -0.48 -1.26
DUNKIRK___2 23564	15.98 -0.40 -1.18	14.15 -0.34 -1.31	12.43 -0.32 -1.48	11.03 -0.29 -1.66	12.90 -0.25 -1.25	15.83 -0.33 -0.54	15.92 -0.37 -0.81	15.44 -0.44 -0.87	18.45 -0.73 -0.55	20.57 -0.89 -0.28	20.58 -0.82 -0.95	20.88 -0.97 -0.25	21.25 -0.77 -0.11	21.23 -0.57 -0.01	20.79 -0.93 -0.08	20.72 -0.83 -0.24	20.80 -0.83 -0.38	23.35 -0.92 -0.71	24.10 -0.92 -0.80	25.98 -0.74 -1.05	26.04 -0.70 -0.67	24.51 -0.38 0.50	19.64 -1.07 -0.13	15.72 -0.48 -1.26
DUNKIRK___3 23565	15.94 -0.41 -1.16	14.12 -0.36 -1.29	12.43 -0.30 -1.46	11.01 -0.29 -1.64	12.88 -0.25 -1.24	15.82 -0.33 -0.53	15.90 -0.39 -0.80	15.41 -0.45 -0.86	18.43 -0.75 -0.54	20.54 -0.91 -0.27	20.51 -0.88 -0.94	20.78 -1.02 -0.20	21.16 -0.79 -0.04	21.19 -0.59 0.02	20.73 -0.97 -0.06	20.63 -0.92 -0.23	20.71 -0.91 -0.38	23.24 -1.01 -0.70	24.00 -0.97 -0.76	25.92 -0.80 -1.04	25.96 -0.76 -0.63	24.44 -0.41 0.55	19.61 -1.07 -0.10	15.70 -0.48 -1.24
DUNKIRK___4 23566	15.94 -0.41 -1.16	14.12 -0.36 -1.29	12.43 -0.30 -1.46	11.01 -0.29 -1.64	12.88 -0.25 -1.24	15.82 -0.33 -0.53	15.90 -0.39 -0.80	15.41 -0.45 -0.86	18.43 -0.75 -0.54	20.54 -0.91 -0.27	20.51 -0.88 -0.94	20.78 -1.02 -0.20	21.16 -0.79 -0.04	21.19 -0.59 0.02	20.73 -0.97 -0.06	20.63 -0.92 -0.23	20.71 -0.91 -0.38	23.24 -1.01 -0.70	24.00 -0.97 -0.76	25.92 -0.80 -1.04	25.96 -0.76 -0.63	24.44 -0.41 0.55	19.61 -1.07 -0.10	15.70 -0.48 -1.24
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	22.74 1.38 -6.17	21.23 1.19 -6.85	20.02 1.00 -7.75	19.18 0.83 -8.69	19.46 1.00 -6.57	19.75 1.30 -2.84	21.02 1.29 -4.25	20.85 1.28 -4.57	23.15 1.66 -2.86	24.46 1.82 -1.46	27.18 1.76 -4.98	27.60 1.88 -4.12	28.04 1.93 -4.21	25.14 1.96 -1.39	24.94 1.90 -1.39	24.42 1.88 -1.23	25.14 1.89 -2.01	29.34 2.07 -3.71	32.53 2.16 -6.16	33.38 2.34 -5.37	33.16 2.45 -4.63	27.75 2.34 -0.02	24.36 1.77 -2.01	22.81 1.27 -6.60
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	22.50 1.26 -6.04	20.98 1.08 -6.71	19.79 0.92 -7.59	18.94 0.76 -8.51	19.25 0.92 -6.44	19.59 1.19 -2.78	20.82 1.18 -4.16	20.62 1.14 -4.48	22.93 1.49 -2.80	24.24 1.63 -1.43	26.92 1.59 -4.88	27.34 1.71 -4.03	27.76 1.73 -4.12	24.89 1.74 -1.36	24.70 1.69 -1.36	24.18 1.66 -1.21	24.91 1.70 -1.97	29.05 1.86 -3.63	32.19 1.94 -6.04	33.01 2.08 -5.26	32.83 2.22 -4.54	27.58 2.16 -0.02	24.13 1.58 -1.97	22.54 1.14 -6.47
E179THST_138_KV_TB4_REV_LBMP_J 345001	22.92 1.55 -6.18	21.36 1.32 -6.85	20.15 1.13 -7.75	19.29 0.94 -8.69	19.58 1.12 -6.57	19.85 1.39 -2.84	21.03 1.30 -4.25	20.85 1.28 -4.57	23.13 1.64 -2.86	24.42 1.78 -1.46	27.12 1.70 -4.98	27.56 1.84 -4.12	27.97 1.86 -4.21	25.10 1.92 -1.39	24.90 1.86 -1.39	24.40 1.85 -1.23	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.28 2.23 -5.37	33.08 2.37 -4.63	27.70 2.29 -0.02	24.40 1.81 -2.01	22.94 1.40 -6.60
E179THST_13_KV_LOAD 356214	22.98 1.61 -6.18	21.40 1.36 -6.85	20.18 1.16 -7.75	19.33 0.98 -8.69	19.62 1.15 -6.57	19.89 1.44 -2.84	21.09 1.36 -4.25	20.89 1.32 -4.57	23.21 1.71 -2.86	24.50 1.86 -1.46	27.20 1.78 -4.98	27.64 1.92 -4.12	28.06 1.95 -4.21	25.18 2.00 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.19 1.93 -2.01	29.41 2.14 -3.71	32.60 2.23 -6.16	33.41 2.36 -5.37	33.19 2.48 -4.63	27.80 2.39 -0.02	24.48 1.89 -2.01	22.99 1.45 -6.60
EAST HAMPTON___GT 23717	23.58 2.23 -6.15	21.92 1.90 -6.84	20.54 1.54 -7.73	19.61 1.28 -8.67	19.97 1.52 -6.56	20.43 1.98 -2.83	21.78 2.06 -4.24	21.49 1.94 -4.56	24.17 2.68 -2.85	30.56 3.07 -6.31	32.17 2.76 -8.96	34.70 2.92 -10.18	32.65 2.94 -7.81	31.62 2.92 -6.90	32.43 2.84 -7.95	31.70 2.81 -7.58	33.73 2.87 -9.62	36.32 3.37 -9.40	39.05 3.51 -11.32	43.27 3.78 -13.83	49.47 3.94 -19.45	34.92 3.71 -5.81	26.07 2.78 -2.72	23.67 2.05 -6.68
EAST RIVER___6 23660	22.80 1.46 -6.15	21.26 1.24 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.92 1.36 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.06 1.97 -4.18	25.20 2.03 -1.38	25.04 2.01 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.40 2.14 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.81 2.41 0.00	24.48 1.87 -2.03	22.98 1.36 -6.68

EAST_RIVER___7 23524	22.80 1.46 -6.15	21.26 1.24 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.92 1.36 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.06 1.97 -4.18	25.20 2.03 -1.38	25.04 2.01 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.40 2.14 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.81 2.41 0.00	24.48 1.87 -2.03	22.98 1.36 -6.68
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	22.72 1.37 -6.16	21.20 1.17 -6.84	20.01 1.00 -7.74	19.16 0.82 -8.68	19.44 0.99 -6.56	19.73 1.28 -2.83	21.00 1.27 -4.24	20.82 1.26 -4.56	23.11 1.62 -2.86	24.44 1.80 -1.46	27.16 1.74 -4.97	27.57 1.86 -4.11	28.01 1.91 -4.20	25.09 1.92 -1.38	24.90 1.86 -1.39	24.40 1.85 -1.23	25.10 1.85 -2.01	29.31 2.05 -3.70	32.47 2.11 -6.15	33.32 2.28 -5.36	33.10 2.40 -4.63	27.73 2.31 -0.02	24.32 1.73 -2.01	22.78 1.25 -6.59
EAST_HAMPTON___DIESEL 23722	23.58 2.23 -6.15	21.93 1.91 -6.84	20.54 1.54 -7.73	19.61 1.28 -8.67	19.97 1.52 -6.56	20.43 1.98 -2.83	21.78 2.06 -4.24	21.51 1.95 -4.56	24.17 2.68 -2.85	30.58 3.09 -6.31	32.19 2.78 -8.96	34.70 2.92 -10.18	32.65 2.94 -7.81	31.62 2.92 -6.90	32.43 2.84 -7.95	31.70 2.81 -7.58	33.73 2.87 -9.62	36.32 3.37 -9.40	39.05 3.51 -11.32	43.27 3.78 -13.83	49.47 3.94 -19.45	34.92 3.71 -5.81	26.09 2.80 -2.72	23.67 2.05 -6.68
EAST_PULASKI___ESR 323781	15.57 -0.11 -0.48	13.63 -0.09 -0.53	11.78 -0.09 -0.60	10.25 -0.09 -0.67	12.31 -0.10 -0.51	15.70 -0.14 -0.22	15.66 -0.15 -0.33	15.16 -0.20 -0.35	18.58 -0.28 -0.22	20.98 -0.32 -0.11	20.55 -0.29 -0.39	21.64 -0.28 -0.32	21.95 -0.28 -0.33	21.57 -0.33 -0.11	21.43 -0.32 -0.11	21.04 -0.36 -0.10	21.04 -0.36 -0.16	23.49 -0.35 -0.29	24.38 -0.31 -0.48	26.09 -0.18 -0.59	26.55 -0.13 -0.60	25.35 -0.20 -0.16	20.51 -0.23 -0.16	15.32 -0.13 -0.51
EAST_RIVER___1 323558	22.82 1.47 -6.15	21.27 1.25 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.20 1.95 -2.00	29.40 2.14 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.24 2.56 -4.60	27.84 2.44 0.00	24.48 1.87 -2.03	22.99 1.37 -6.68
EAST_RIVER___2 323559	22.80 1.46 -6.15	21.26 1.24 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.92 1.36 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.06 1.97 -4.18	25.20 2.03 -1.38	25.04 2.01 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.40 2.14 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.81 2.41 0.00	24.48 1.87 -2.03	22.98 1.36 -6.68
EAST___DELAWARE_HYD 23607	22.55 1.47 -5.89	20.99 1.27 -6.54	19.74 1.07 -7.40	18.84 0.88 -8.29	19.23 1.07 -6.27	19.70 1.37 -2.71	20.92 1.38 -4.06	20.68 1.32 -4.36	23.02 1.66 -2.73	24.41 1.84 -1.39	26.83 1.64 -4.75	27.27 1.75 -3.92	27.70 1.80 -4.00	24.90 1.79 -1.32	24.70 1.73 -1.32	24.17 1.68 -1.18	24.90 1.74 -1.92	29.03 1.93 -3.54	32.14 2.06 -5.87	33.02 2.23 -5.12	32.88 2.40 -4.41	27.71 2.31 0.00	24.30 1.79 -1.94	22.60 1.30 -6.36
EIGHT_POINT___WT_PWR 323820	16.75 0.20 -1.36	14.86 0.16 -1.51	13.10 0.12 -1.71	11.66 0.08 -1.92	13.51 0.17 -1.45	16.46 0.22 -0.63	16.57 0.15 -0.94	16.14 0.13 -1.01	19.24 -0.02 -0.63	21.40 -0.11 -0.32	21.36 -0.18 -1.10	26.14 -0.26 -4.80	27.81 -0.09 -6.00	24.03 0.07 -2.18	23.11 -0.22 -1.68	21.41 -0.17 -0.27	21.52 -0.17 -0.44	24.23 -0.14 -0.82	28.21 -0.07 -4.07	27.03 0.18 -1.18	29.13 0.18 -2.87	29.72 0.46 -3.87	22.52 -0.35 -2.29	16.34 -0.06 -1.46
ELBRIDGE_115KV_TB2 80188	16.02 0.09 -0.74	14.10 0.09 -0.82	12.27 0.08 -0.92	10.74 0.04 -1.04	12.75 0.07 -0.78	16.05 0.09 -0.34	16.10 0.11 -0.51	15.65 0.11 -0.54	19.09 0.11 -0.34	21.46 0.11 -0.17	21.16 0.12 -0.59	22.24 0.11 -0.53	22.58 0.13 -0.55	22.11 0.13 -0.18	21.96 0.13 -0.18	21.59 0.13 -0.15	21.61 0.13 -0.24	24.12 0.12 -0.44	25.09 0.12 -0.76	26.55 0.21 -0.68	26.91 0.21 -0.62	25.62 0.15 -0.07	20.85 0.02 -0.26	15.80 0.07 -0.79
ELEC_TRO_TEK 24086	23.05 1.69 -6.17	21.47 1.42 -6.85	20.19 1.17 -7.75	19.32 0.97 -8.69	19.62 1.15 -6.57	19.94 1.48 -2.84	21.25 1.52 -4.25	21.03 1.46 -4.57	23.45 1.96 -2.86	29.72 2.22 -6.32	31.53 2.11 -8.98	34.03 2.23 -10.20	32.04 2.30 -7.83	31.01 2.31 -6.91	31.86 2.25 -7.96	31.13 2.24 -7.58	33.10 2.23 -9.62	35.49 2.52 -9.41	38.15 2.59 -11.35	42.29 2.77 -13.85	48.45 2.89 -19.48	34.05 2.82 -5.83	25.41 2.14 -2.70	23.09 1.55 -6.60
ELLENBURG_WT_PWR 323604	14.08 -1.11 0.00	12.24 -0.95 0.00	10.45 -0.82 0.00	8.96 -0.71 0.00	11.03 -0.86 0.00	14.48 -1.14 0.00	14.38 -1.10 0.00	13.97 -1.03 0.00	17.35 -1.29 0.00	19.89 -1.29 0.00	19.22 -1.23 0.00	20.37 -1.23 0.00	20.63 -1.27 0.00	20.53 -1.26 0.00	20.37 -1.28 0.00	19.99 -1.32 0.00	19.95 -1.30 0.00	22.05 -1.51 0.00	22.57 -1.65 0.00	23.03 -1.80 0.84	23.06 -1.88 1.14	22.83 -1.83 0.74	19.13 -1.44 0.00	13.89 -1.05 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	15.90 -0.43 -1.13	14.08 -0.37 -1.26	12.39 -0.30 -1.42	10.99 -0.27 -1.60	12.86 -0.24 -1.21	15.81 -0.33 -0.52	15.86 -0.40 -0.78	15.34 -0.50 -0.84	18.32 -0.84 -0.53	20.39 -1.06 -0.27	20.32 -1.04 -0.91	20.56 -1.17 -0.13	20.81 -1.05 0.05	20.79 -0.96 0.05	20.51 -1.17 -0.03	20.41 -1.13 -0.23	20.44 -1.17 -0.37	22.97 -1.27 -0.68	23.70 -1.21 -0.69	25.66 -1.03 -1.01	25.70 -0.96 -0.59	24.01 -0.79 0.60	19.54 -1.11 -0.07	15.67 -0.48 -1.21
EMPIRE_CC_1 323656	23.20 0.80 -7.21	21.89 0.70 -8.01	20.92 0.60 -9.06	20.34 0.52 -10.15	20.22 0.65 -7.68	19.79 0.86 -3.32	21.28 0.84 -4.96	21.15 0.81 -5.34	23.04 1.06 -3.34	24.09 1.21 -1.70	27.41 1.14 -5.82	27.61 1.21 -4.80	28.03 1.23 -4.90	24.65 1.24 -1.61	24.48 1.21 -1.62	23.95 1.19 -1.44	24.78 1.19 -2.35	29.18 1.29 -4.33	32.73 1.33 -7.19	33.38 1.44 -6.27	32.93 1.46 -5.39	26.85 1.45 0.00	24.04 1.11 -2.35	23.42 0.76 -7.72
EMPIRE_CC_2 323658	23.20 0.80 -7.21	21.89 0.70 -8.01	20.92 0.60 -9.06	20.34 0.52 -10.15	20.22 0.65 -7.68	19.79 0.86 -3.32	21.28 0.84 -4.96	21.15 0.81 -5.34	23.04 1.06 -3.34	24.09 1.21 -1.70	27.41 1.14 -5.82	27.61 1.21 -4.80	28.03 1.23 -4.90	24.65 1.24 -1.61	24.48 1.21 -1.62	23.95 1.19 -1.44	24.78 1.19 -2.35	29.18 1.29 -4.33	32.73 1.33 -7.19	33.38 1.44 -6.27	32.93 1.46 -5.39	26.85 1.45 0.00	24.04 1.11 -2.35	23.42 0.76 -7.72
ENORWICH_115KV_TB1 80156	18.41 1.03 -2.18	16.51 0.90 -2.42	14.77 0.77 -2.74	13.39 0.66 -3.07	15.02 0.81 -2.32	17.71 1.09 -1.00	18.13 1.15 -1.50	17.70 1.08 -1.61	20.87 1.23 -1.01	22.90 1.21 -0.52	23.31 1.10 -1.76	24.41 1.27 -1.54	24.90 1.40 -1.59	23.72 1.39 -0.53	23.31 1.15 -0.52	22.86 1.11 -0.44	23.16 1.21 -0.71	26.30 1.44 -1.31	28.07 1.62 -2.23	29.49 1.90 -1.92	29.74 1.96 -1.70	27.51 2.01 -0.11	22.66 1.34 -0.75	18.30 1.03 -2.33

ERIE_ST__34_KV_TB1-2 80199	15.84 -0.52 -1.17	14.04 -0.45 -1.30	12.36 -0.37 -1.47	10.97 -0.34 -1.64	12.81 -0.32 -1.24	15.72 -0.44 -0.54	15.78 -0.51 -0.80	15.29 -0.57 -0.86	18.24 -0.93 -0.54	20.31 -1.14 -0.28	20.24 -1.15 -0.94	20.58 -1.27 -0.26	21.28 -0.74 -0.12	21.52 -0.28 -0.01	20.49 -1.23 -0.08	20.33 -1.21 -0.23	20.37 -1.25 -0.38	22.92 -1.34 -0.70	23.76 -1.26 -0.80	25.61 -1.10 -1.04	25.73 -1.02 -0.66	25.01 0.10 0.49	19.54 -1.17 -0.13	15.62 -0.57 -1.25
ERIE_WT_PWR 323693	15.89 -0.41 -1.10	14.06 -0.36 -1.23	12.36 -0.29 -1.39	10.96 -0.26 -1.55	12.84 -0.23 -1.18	15.80 -0.33 -0.51	15.84 -0.40 -0.76	15.34 -0.48 -0.82	18.33 -0.82 -0.51	20.42 -1.02 -0.26	20.32 -1.02 -0.89	19.92 -1.19 0.49	20.06 -1.01 0.84	20.60 -0.85 0.34	20.31 -1.15 0.18	20.45 -1.09 -0.22	20.48 -1.13 -0.36	22.99 -1.23 -0.66	23.28 -1.19 -0.25	25.63 -1.00 -0.96	25.38 -0.94 -0.24	23.60 -0.58 1.21	19.26 -1.09 0.22	15.66 -0.46 -1.18
ESPRGFLD_115KV_TB1 80157	15.91 0.81 0.09	13.78 0.69 0.10	11.73 0.57 0.11	10.03 0.49 0.12	12.42 0.62 0.09	16.41 0.83 0.04	16.26 0.84 0.06	15.73 0.80 0.06	19.60 1.01 0.04	22.26 1.10 0.02	21.46 1.08 0.07	22.77 1.21 0.04	23.13 1.27 0.04	23.04 1.26 0.01	22.78 1.15 0.01	22.40 1.11 0.02	22.36 1.15 0.03	24.87 1.37 0.05	25.61 1.48 0.08	27.25 1.64 0.07	27.70 1.67 0.05	27.17 1.75 -0.02	21.71 1.15 0.02	15.68 0.84 0.09
ETNA_115_KV_TB1_REV_LBMP_C 345029	17.23 0.50 -1.54	15.33 0.44 -1.71	13.57 0.36 -1.94	12.12 0.28 -2.17	13.90 0.37 -1.64	16.81 0.48 -0.71	17.04 0.50 -1.06	16.65 0.51 -1.14	19.89 0.54 -0.71	22.10 0.55 -0.36	22.18 0.49 -1.24	23.28 0.50 -1.18	23.72 0.57 -1.25	22.80 0.59 -0.42	22.55 0.50 -0.40	22.11 0.49 -0.31	22.28 0.53 -0.50	25.09 0.61 -0.93	26.56 0.70 -1.64	27.91 0.87 -1.37	28.23 0.89 -1.27	26.49 0.91 -0.18	21.66 0.51 -0.57	17.03 0.45 -1.65
ETNA____115KV_TB2 80207	17.23 0.50 -1.54	15.33 0.44 -1.71	13.57 0.36 -1.94	12.12 0.28 -2.17	13.90 0.37 -1.64	16.81 0.48 -0.71	17.04 0.50 -1.06	16.65 0.51 -1.14	19.89 0.54 -0.71	22.10 0.55 -0.36	22.18 0.49 -1.24	23.28 0.50 -1.18	23.72 0.57 -1.25	22.80 0.59 -0.42	22.55 0.50 -0.40	22.11 0.49 -0.31	22.28 0.53 -0.50	25.09 0.61 -0.93	26.56 0.70 -1.64	27.91 0.87 -1.37	28.23 0.89 -1.27	26.49 0.91 -0.18	21.66 0.51 -0.57	17.03 0.45 -1.65
EUCLID____115KV_TB2 356179	15.75 -0.02 -0.57	13.81 -0.01 -0.64	11.96 -0.02 -0.72	10.44 -0.03 -0.81	12.48 -0.02 -0.61	15.85 -0.03 -0.26	15.85 -0.03 -0.39	15.39 -0.03 -0.42	18.84 -0.06 -0.27	21.25 -0.06 -0.14	20.83 -0.08 -0.46	21.88 -0.11 -0.38	22.21 -0.09 -0.39	21.81 -0.11 -0.13	21.69 -0.09 -0.13	21.36 -0.06 -0.11	21.34 -0.08 -0.19	23.81 -0.09 -0.34	24.69 -0.10 -0.57	26.16 -0.05 -0.54	26.54 -0.03 -0.49	25.34 -0.10 -0.04	20.64 -0.12 -0.19	15.50 -0.04 -0.61
E_CANADA_CAP_HY 24051	25.22 0.87 -9.16	24.09 0.72 -10.18	23.39 0.61 -11.51	23.08 0.51 -12.90	22.30 0.65 -9.76	20.72 0.89 -4.21	22.67 0.88 -6.31	22.63 0.84 -6.78	23.92 1.04 -4.25	24.55 1.21 -2.17	29.00 1.16 -7.39	28.97 1.27 -6.10	29.44 1.31 -6.22	25.13 1.29 -2.05	24.94 1.23 -2.06	24.36 1.21 -1.83	25.46 1.23 -2.99	30.57 1.51 -5.51	35.00 1.65 -9.14	35.43 1.80 -7.96	34.76 1.82 -6.85	27.35 1.96 0.00	24.88 1.32 -2.98	25.65 0.91 -9.80
E_CANADA_MHWK_HY 24050	15.23 -0.08 -0.11	13.24 -0.07 -0.12	11.35 -0.06 -0.14	9.77 -0.05 -0.16	11.95 -0.06 -0.12	15.59 -0.08 -0.05	15.48 -0.08 -0.08	14.99 -0.09 -0.08	18.57 -0.11 -0.05	21.06 -0.15 -0.03	20.35 -0.18 -0.09	21.50 -0.17 -0.07	21.78 -0.20 -0.08	21.64 -0.18 -0.02	21.48 -0.20 -0.03	21.14 -0.19 -0.02	21.07 -0.21 -0.04	23.39 -0.24 -0.07	24.11 -0.22 -0.11	25.59 -0.18 -0.10	25.98 -0.18 -0.08	25.30 -0.10 0.00	20.65 0.04 -0.04	15.10 0.04 -0.12
E_FISHKILL____LBMP 23776	22.68 1.25 -6.24	21.19 1.07 -6.93	20.02 0.91 -7.84	19.21 0.75 -8.79	19.45 0.92 -6.65	19.66 1.17 -2.87	20.94 1.16 -4.30	20.78 1.16 -4.62	23.02 1.49 -2.89	24.31 1.65 -1.48	27.08 1.59 -5.03	27.47 1.71 -4.16	27.89 1.73 -4.25	24.96 1.77 -1.40	24.76 1.71 -1.41	24.24 1.68 -1.25	24.95 1.68 -2.03	29.17 1.86 -3.75	32.36 1.91 -6.23	33.18 2.08 -5.43	32.93 2.16 -4.68	27.52 2.11 -0.02	24.18 1.56 -2.04	22.73 1.12 -6.68
FALCON____SEABRD_CC1 323796	14.16 -1.03 0.00	12.30 -0.88 0.00	10.50 -0.77 0.00	9.01 -0.66 0.00	11.09 -0.80 0.00	14.55 -1.06 0.00	14.48 -1.01 0.00	14.06 -0.94 0.00	17.46 -1.17 0.00	20.02 -1.16 0.00	19.34 -1.10 0.00	20.50 -1.10 0.00	20.77 -1.14 0.00	20.66 -1.13 0.00	20.48 -1.17 0.00	20.07 -1.24 0.00	20.07 -1.17 0.00	22.21 -1.34 0.00	22.74 -1.48 0.00	23.21 -1.62 0.85	23.24 -1.69 1.15	23.03 -1.63 0.75	19.26 -1.32 0.00	13.98 -0.96 0.00
FALCON____SEABRD_CC2 323797	14.16 -1.03 0.00	12.30 -0.88 0.00	10.50 -0.77 0.00	9.01 -0.66 0.00	11.09 -0.80 0.00	14.55 -1.06 0.00	14.48 -1.01 0.00	14.06 -0.94 0.00	17.46 -1.17 0.00	20.02 -1.16 0.00	19.34 -1.10 0.00	20.50 -1.10 0.00	20.77 -1.14 0.00	20.66 -1.13 0.00	20.48 -1.17 0.00	20.07 -1.24 0.00	20.07 -1.17 0.00	22.21 -1.34 0.00	22.74 -1.48 0.00	23.21 -1.62 0.85	23.24 -1.69 1.15	23.03 -1.63 0.75	19.26 -1.32 0.00	13.98 -0.96 0.00
FAR ROCKAWAY____4 23548	23.25 1.88 -6.17	21.62 1.58 -6.85	20.32 1.30 -7.75	19.43 1.07 -8.69	19.75 1.28 -6.57	20.13 1.67 -2.84	21.44 1.70 -4.25	21.21 1.64 -4.57	23.68 2.18 -2.86	30.00 2.50 -6.32	31.78 2.35 -8.98	34.29 2.48 -10.20	32.28 2.54 -7.83	31.28 2.57 -6.91	32.12 2.51 -7.96	31.36 2.47 -7.58	33.33 2.46 -9.62	35.70 2.73 -9.41	38.40 2.83 -11.35	42.60 3.08 -13.85	48.79 3.23 -19.48	34.33 3.10 -5.83	25.70 2.43 -2.70	23.29 1.75 -6.60
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.83 1.47 -6.17	21.29 1.25 -6.85	20.09 1.07 -7.75	19.23 0.88 -8.69	19.51 1.05 -6.57	19.80 1.34 -2.84	21.08 1.35 -4.25	20.94 1.37 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.24 1.82 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.21 1.95 -2.01	29.43 2.17 -3.71	32.65 2.28 -6.16	33.48 2.44 -5.37	33.27 2.56 -4.63	27.88 2.46 -0.02	24.46 1.87 -2.01	22.91 1.37 -6.60
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.83 1.47 -6.17	21.29 1.25 -6.85	20.09 1.07 -7.75	19.23 0.88 -8.69	19.51 1.05 -6.57	19.80 1.34 -2.84	21.08 1.35 -4.25	20.94 1.37 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.24 1.82 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.23 1.98 -2.01	29.43 2.17 -3.71	32.65 2.28 -6.16	33.48 2.44 -5.37	33.27 2.56 -4.63	27.88 2.46 -0.02	24.48 1.89 -2.01	22.91 1.37 -6.60
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.82 1.46 -6.17	21.29 1.25 -6.85	20.08 1.06 -7.75	19.22 0.87 -8.69	19.51 1.05 -6.57	19.80 1.34 -2.84	21.08 1.35 -4.25	20.92 1.35 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.08 1.97 -4.21	25.21 2.03 -1.39	25.01 1.97 -1.39	24.48 1.94 -1.23	25.21 1.95 -2.01	29.41 2.14 -3.71	32.63 2.25 -6.16	33.46 2.41 -5.37	33.27 2.56 -4.63	27.93 2.51 -0.02	24.46 1.87 -2.01	22.90 1.36 -6.60

FARRAGUT___LBMP 323566	22.82 1.46 -6.17	21.28 1.24 -6.85	20.08 1.06 -7.75	19.22 0.87 -8.69	19.50 1.03 -6.57	19.78 1.33 -2.84	21.06 1.33 -4.25	20.91 1.34 -4.57	23.21 1.71 -2.86	24.50 1.86 -1.46	27.20 1.78 -4.98	27.64 1.92 -4.12	28.08 1.97 -4.21	25.18 2.00 -1.39	24.99 1.95 -1.39	24.48 1.94 -1.23	25.19 1.93 -2.01	29.38 2.12 -3.71	32.60 2.23 -6.16	33.46 2.41 -5.37	33.24 2.53 -4.63	27.83 2.41 -0.02	24.44 1.85 -2.01	22.90 1.36 -6.60
FENNER___WINDPWR 24204	16.31 0.30 -0.81	14.35 0.26 -0.90	12.50 0.21 -1.02	10.99 0.18 -1.15	12.98 0.23 -0.87	16.30 0.31 -0.37	16.35 0.31 -0.56	15.92 0.32 -0.60	19.35 0.34 -0.38	21.71 0.34 -0.19	21.39 0.29 -0.66	22.47 0.32 -0.54	22.85 0.39 -0.55	22.35 0.37 -0.18	22.16 0.33 -0.18	21.77 0.30 -0.16	21.85 0.34 -0.27	24.44 0.40 -0.49	25.48 0.46 -0.81	27.00 0.54 -0.79	27.35 0.55 -0.73	26.01 0.53 -0.08	21.19 0.35 -0.27	16.09 0.28 -0.87
FIBERTEK___ENERGY 23856	16.04 0.15 -0.69	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.72 0.10 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.66 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.26 0.17 -0.49	22.61 0.20 -0.50	22.16 0.20 -0.17	21.99 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.16 -0.42	25.09 0.17 -0.71	26.54 0.23 -0.64	26.90 0.23 -0.58	25.64 0.18 -0.06	20.88 0.06 -0.24	15.78 0.10 -0.74
FITZPATRICK____ 23598	15.38 -0.24 -0.43	13.45 -0.21 -0.47	11.61 -0.19 -0.54	10.10 -0.16 -0.60	12.15 -0.19 -0.45	15.56 -0.25 -0.20	15.51 -0.26 -0.29	15.06 -0.26 -0.32	18.50 -0.33 -0.20	20.90 -0.38 -0.10	20.40 -0.39 -0.34	21.46 -0.43 -0.28	21.78 -0.42 -0.29	21.45 -0.44 -0.10	21.33 -0.41 -0.10	20.99 -0.41 -0.09	20.98 -0.40 -0.14	23.36 -0.45 -0.26	24.18 -0.46 -0.43	25.61 -0.44 -0.37	25.98 -0.42 -0.32	24.91 -0.48 0.00	20.30 -0.41 -0.14	15.14 -0.25 -0.46
FLOWRFLD_69_KV_BK1 356044	23.25 1.88 -6.17	21.65 1.61 -6.85	20.32 1.30 -7.75	19.43 1.07 -8.69	19.75 1.28 -6.57	20.11 1.66 -2.84	21.44 1.70 -4.25	21.18 1.61 -4.57	23.68 2.18 -2.86	30.00 2.50 -6.32	31.74 2.31 -8.98	34.22 2.42 -10.20	32.21 2.48 -7.83	31.23 2.53 -6.91	32.07 2.47 -7.96	31.34 2.45 -7.58	33.33 2.46 -9.62	35.79 2.83 -9.41	38.52 2.95 -11.35	42.70 3.18 -13.85	48.84 3.29 -19.48	34.38 3.15 -5.83	25.62 2.35 -2.70	23.27 1.73 -6.60
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	22.76 1.40 -6.17	21.23 1.19 -6.86	20.04 1.01 -7.76	19.20 0.84 -8.69	19.49 1.02 -6.58	19.77 1.31 -2.84	21.04 1.30 -4.25	20.83 1.26 -4.57	23.14 1.64 -2.86	24.46 1.82 -1.46	27.23 1.80 -4.98	27.64 1.92 -4.12	28.11 1.99 -4.21	25.14 1.96 -1.39	24.94 1.90 -1.39	24.42 1.88 -1.24	25.15 1.89 -2.01	29.34 2.07 -3.71	32.53 2.16 -6.16	33.36 2.31 -5.38	33.14 2.43 -4.64	27.78 2.36 -0.02	24.30 1.71 -2.02	22.78 1.24 -6.61
FORT ORANGE____ 23900	23.15 0.58 -7.39	21.89 0.50 -8.21	21.00 0.45 -9.28	20.46 0.40 -10.40	20.26 0.50 -7.87	19.69 0.67 -3.40	21.21 0.64 -5.09	21.10 0.63 -5.47	22.90 0.84 -3.43	23.86 0.93 -1.75	27.29 0.88 -5.96	27.47 0.95 -4.92	27.89 0.96 -5.02	24.40 0.96 -1.65	24.26 0.95 -1.66	23.70 0.92 -1.48	24.58 0.93 -2.41	29.06 1.06 -4.44	32.65 1.06 -7.37	33.25 1.16 -6.42	32.78 1.17 -5.53	26.54 1.14 0.00	23.85 0.86 -2.41	23.42 0.58 -7.90
FORT_DRUM_COGEN 23780	15.23 -0.30 -0.34	13.31 -0.25 -0.38	11.48 -0.21 -0.43	9.96 -0.18 -0.48	12.03 -0.23 -0.36	15.46 -0.31 -0.16	15.39 -0.33 -0.23	14.85 -0.41 -0.25	18.19 -0.60 -0.16	20.54 -0.72 -0.08	20.09 -0.63 -0.27	21.20 -0.63 -0.23	21.46 -0.68 -0.23	21.15 -0.72 -0.08	20.94 -0.78 -0.08	20.57 -0.81 -0.07	20.63 -0.72 -0.11	23.12 -0.64 -0.20	24.09 -0.46 -0.34	26.30 -0.28 -0.91	26.88 -0.29 -1.09	25.61 -0.33 -0.54	20.30 -0.39 -0.11	15.02 -0.28 -0.36
FPL_FAR_ROCK_GT1 24212	23.23 1.88 -6.15	21.60 1.58 -6.84	20.29 1.30 -7.73	19.40 1.07 -8.67	19.73 1.28 -6.56	20.12 1.67 -2.83	21.42 1.70 -4.24	21.19 1.64 -4.56	23.67 2.18 -2.85	29.99 2.50 -6.31	31.76 2.35 -8.96	34.26 2.48 -10.18	32.23 2.52 -7.81	31.24 2.55 -6.90	32.08 2.49 -7.95	31.36 2.47 -7.58	33.32 2.46 -9.62	35.69 2.73 -9.40	38.37 2.83 -11.32	42.58 3.08 -13.83	48.76 3.23 -19.45	34.31 3.10 -5.81	25.72 2.43 -2.72	23.37 1.75 -6.68
FPL_FAR_ROCK_GT2 23815	23.23 1.88 -6.15	21.60 1.58 -6.84	20.29 1.30 -7.73	19.40 1.07 -8.67	19.73 1.28 -6.56	20.12 1.67 -2.83	21.42 1.70 -4.24	21.19 1.64 -4.56	23.67 2.18 -2.85	29.99 2.50 -6.31	31.76 2.35 -8.96	34.26 2.48 -10.18	32.23 2.52 -7.81	31.24 2.55 -6.90	32.08 2.49 -7.95	31.36 2.47 -7.58	33.32 2.46 -9.62	35.69 2.73 -9.40	38.37 2.83 -11.32	42.58 3.08 -13.83	48.76 3.23 -19.45	34.31 3.10 -5.81	25.72 2.43 -2.72	23.37 1.75 -6.68
FRANKLIN_FALL_HYD 24054	14.28 -0.96 -0.04	12.42 -0.82 -0.05	10.61 -0.71 -0.05	9.11 -0.61 -0.06	11.19 -0.75 -0.04	14.65 -0.98 -0.02	14.58 -0.93 -0.03	14.15 -0.89 -0.03	17.55 -1.10 -0.02	20.09 -1.10 -0.01	19.40 -1.08 -0.03	20.53 -1.10 -0.03	20.79 -1.14 -0.03	20.67 -1.13 -0.01	20.51 -1.15 -0.01	20.10 -1.21 -0.01	20.11 -1.15 -0.01	22.29 -1.30 -0.02	22.85 -1.40 -0.04	23.26 -1.57 0.85	23.29 -1.62 1.17	23.04 -1.57 0.78	19.33 -1.26 -0.01	14.09 -0.90 -0.04
FREEPORT_EQUS_GT1 23764	23.14 1.79 -6.15	21.52 1.50 -6.84	20.23 1.23 -7.73	19.35 1.02 -8.67	19.66 1.21 -6.56	20.02 1.58 -2.83	21.33 1.61 -4.24	21.10 1.55 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.64 2.23 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.25 2.37 -7.58	33.20 2.34 -9.62	35.59 2.64 -9.40	38.27 2.74 -11.32	42.45 2.95 -13.83	48.60 3.08 -19.45	34.18 2.97 -5.81	25.60 2.30 -2.72	23.28 1.66 -6.68
FREEPORT___CT2 23818	23.14 1.79 -6.15	21.52 1.50 -6.84	20.23 1.23 -7.73	19.35 1.02 -8.67	19.66 1.21 -6.56	20.02 1.58 -2.83	21.33 1.61 -4.24	21.10 1.55 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.64 2.23 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.25 2.37 -7.58	33.20 2.34 -9.62	35.59 2.64 -9.40	38.27 2.74 -11.32	42.45 2.95 -13.83	48.60 3.08 -19.45	34.18 2.97 -5.81	25.60 2.30 -2.72	23.28 1.66 -6.68
FRESHKLS_33_KV_LOAD 356253	22.95 1.58 -6.18	21.41 1.37 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.58 1.12 -6.57	19.81 1.36 -2.84	21.03 1.30 -4.25	20.80 1.23 -4.57	23.06 1.57 -2.86	24.29 1.65 -1.46	27.06 1.64 -4.98	27.51 1.79 -4.12	27.95 1.84 -4.21	25.07 1.90 -1.39	24.90 1.86 -1.39	24.42 1.88 -1.23	25.17 1.91 -2.01	29.43 2.17 -3.71	32.58 2.20 -6.16	33.23 2.18 -5.37	33.03 2.32 -4.63	27.85 2.44 -0.02	24.54 1.95 -2.01	22.99 1.45 -6.60
FULTON COGEN____ 23766	15.62 -0.09 -0.52	13.69 -0.08 -0.58	11.85 -0.08 -0.66	10.32 -0.08 -0.74	12.36 -0.08 -0.56	15.75 -0.11 -0.24	15.72 -0.12 -0.36	15.28 -0.11 -0.39	18.71 -0.17 -0.24	21.11 -0.19 -0.12	20.70 -0.16 -0.42	21.76 -0.19 -0.35	22.06 -0.20 -0.35	21.71 -0.22 -0.12	21.55 -0.22 -0.12	21.20 -0.21 -0.10	21.18 -0.23 -0.17	23.61 -0.26 -0.31	24.49 -0.24 -0.52	25.96 -0.21 -0.50	26.34 -0.18 -0.45	25.18 -0.25 -0.04	20.50 -0.25 -0.17	15.36 -0.13 -0.56

FULTON___LFGE 323630	25.26 1.40 -8.67	24.01 1.19 -9.64	23.16 0.99 -10.90	22.73 0.85 -12.22	22.23 1.09 -9.24	21.11 1.50 -3.99	22.96 1.50 -5.97	22.84 1.41 -6.43	24.39 1.73 -4.02	25.20 1.97 -2.05	29.02 1.57 -7.00	29.04 1.66 -5.77	29.49 1.69 -5.89	25.37 1.64 -1.94	25.20 1.60 -1.95	24.65 1.60 -1.74	25.81 1.74 -2.83	30.94 2.17 -5.21	35.24 2.37 -8.65	35.78 2.57 -7.54	35.15 2.58 -6.49	28.04 2.64 0.00	25.56 2.16 -2.83	25.73 1.51 -9.28
G.F.CEMENT___DRP 24184	24.01 1.00 -7.82	22.73 0.86 -8.69	21.81 0.72 -9.82	21.30 0.63 -11.01	21.03 0.81 -8.33	20.31 1.09 -3.60	21.92 1.05 -5.38	21.83 1.04 -5.79	23.69 1.43 -3.63	24.74 1.72 -1.85	28.41 1.66 -6.31	28.50 1.69 -5.21	28.96 1.73 -5.32	25.27 1.72 -1.75	25.10 1.69 -1.76	24.52 1.64 -1.56	25.41 1.61 -2.55	30.09 1.84 -4.70	33.88 1.86 -7.80	34.48 2.00 -6.80	33.90 1.96 -5.86	27.32 1.90 -0.01	24.52 1.40 -2.55	24.26 0.96 -8.37
GARDENVILLE___LBMP 24039	15.91 -0.43 -1.14	14.09 -0.37 -1.27	12.39 -0.32 -1.44	10.99 -0.28 -1.61	12.86 -0.25 -1.22	15.80 -0.34 -0.53	15.85 -0.42 -0.79	15.35 -0.50 -0.85	18.32 -0.84 -0.53	20.39 -1.06 -0.27	20.33 -1.04 -0.92	20.56 -1.14 -0.11	20.84 -0.99 0.08	20.88 -0.85 0.06	20.50 -1.17 -0.03	20.43 -1.11 -0.23	20.47 -1.15 -0.37	22.99 -1.25 -0.69	23.71 -1.19 -0.68	25.67 -1.03 -1.02	25.70 -0.96 -0.58	24.11 -0.66 0.62	19.53 -1.11 -0.06	15.67 -0.49 -1.22
GARDNVLA_35_KV_LD 355827	15.94 -0.40 -1.14	14.13 -0.33 -1.27	12.42 -0.28 -1.44	11.02 -0.25 -1.61	12.89 -0.21 -1.22	15.85 -0.30 -0.53	15.90 -0.37 -0.79	15.40 -0.45 -0.85	18.36 -0.80 -0.53	20.45 -1.00 -0.27	20.39 -0.98 -0.92	20.55 -1.14 -0.09	20.87 -0.94 0.10	20.98 -0.74 0.07	20.58 -1.08 -0.02	20.49 -1.04 -0.23	20.53 -1.08 -0.37	23.06 -1.18 -0.69	23.75 -1.14 -0.67	25.74 -0.95 -1.02	25.77 -0.89 -0.57	24.20 -0.56 0.64	19.56 -1.07 -0.05	15.71 -0.45 -1.22
GELCKHM___115KV_LOAD 80723	15.84 0.03 -0.61	13.89 0.03 -0.68	12.06 0.02 -0.77	10.53 0.00 -0.86	12.56 0.01 -0.65	15.92 0.02 -0.28	15.92 0.02 -0.42	15.49 0.03 -0.45	18.92 0.00 -0.28	21.35 0.02 -0.15	20.96 0.02 -0.50	22.02 0.00 -0.42	22.36 0.02 -0.43	21.94 0.00 -0.14	21.81 0.02 -0.14	21.45 0.02 -0.12	21.46 0.02 -0.20	23.92 0.00 -0.37	24.83 0.00 -0.62	26.30 0.05 -0.58	26.68 0.08 -0.52	25.45 0.00 -0.05	20.72 -0.06 -0.20	15.59 0.00 -0.66
GENERAL___MILLS 23808	15.93 -0.41 -1.15	14.11 -0.36 -1.27	12.42 -0.29 -1.44	11.01 -0.27 -1.62	12.88 -0.24 -1.22	15.82 -0.33 -0.53	15.87 -0.40 -0.79	15.37 -0.48 -0.85	18.35 -0.82 -0.53	20.41 -1.04 -0.27	20.35 -1.02 -0.93	20.60 -1.17 -0.17	20.95 -0.96 -0.01	20.98 -0.78 0.03	20.55 -1.15 -0.05	20.43 -1.11 -0.23	20.47 -1.15 -0.37	23.00 -1.25 -0.69	23.76 -1.19 -0.73	25.70 -1.00 -1.03	25.75 -0.94 -0.61	24.25 -0.58 0.56	19.58 -1.09 -0.09	15.69 -0.48 -1.23
GE_PLASTICS___DRP 24183	23.12 0.59 -7.33	21.85 0.51 -8.15	20.93 0.45 -9.21	20.39 0.40 -10.33	20.20 0.50 -7.81	19.65 0.66 -3.37	21.17 0.63 -5.05	21.06 0.63 -5.43	22.85 0.82 -3.40	23.82 0.91 -1.73	27.24 0.88 -5.92	27.42 0.93 -4.89	27.86 0.96 -4.99	24.40 0.96 -1.64	24.23 0.93 -1.65	23.69 0.92 -1.47	24.52 0.89 -2.39	28.98 1.01 -4.41	32.55 1.02 -7.32	33.16 1.10 -6.38	32.70 1.12 -5.50	26.53 1.12 -0.01	23.83 0.86 -2.39	23.38 0.60 -7.85
GILBOA___1 23756	21.80 0.70 -5.91	20.36 0.61 -6.56	19.21 0.52 -7.42	18.42 0.44 -8.32	18.73 0.55 -6.30	19.04 0.70 -2.72	20.25 0.70 -4.07	20.05 0.68 -4.38	22.25 0.88 -2.74	23.55 0.97 -1.40	26.14 0.92 -4.77	26.51 0.97 -3.93	26.93 1.01 -4.01	24.14 1.02 -1.32	23.95 0.98 -1.33	23.47 0.98 -1.18	24.15 0.98 -1.93	28.17 1.06 -3.55	31.22 1.11 -5.89	32.02 1.21 -5.14	31.75 1.25 -4.42	26.64 1.24 0.00	23.46 0.97 -1.92	21.94 0.69 -6.31
GILBOA___2 23757	21.80 0.70 -5.91	20.36 0.61 -6.56	19.21 0.52 -7.42	18.42 0.44 -8.32	18.73 0.55 -6.30	19.04 0.70 -2.72	20.25 0.70 -4.07	20.05 0.68 -4.38	22.25 0.88 -2.74	23.55 0.97 -1.40	26.14 0.92 -4.77	26.51 0.97 -3.93	26.93 1.01 -4.01	24.14 1.02 -1.32	23.95 0.98 -1.33	23.47 0.98 -1.18	24.15 0.98 -1.93	28.17 1.06 -3.55	31.22 1.11 -5.89	32.02 1.21 -5.14	31.75 1.25 -4.42	26.64 1.24 0.00	23.46 0.97 -1.92	21.94 0.69 -6.31
GILBOA___3 23758	21.80 0.70 -5.91	20.36 0.61 -6.56	19.21 0.52 -7.42	18.42 0.44 -8.32	18.73 0.55 -6.30	19.04 0.70 -2.72	20.25 0.70 -4.07	20.05 0.68 -4.38	22.25 0.88 -2.74	23.55 0.97 -1.40	26.14 0.92 -4.77	26.51 0.97 -3.93	26.93 1.01 -4.01	24.14 1.02 -1.32	23.95 0.98 -1.33	23.47 0.98 -1.18	24.15 0.98 -1.93	28.17 1.06 -3.55	31.22 1.11 -5.89	32.02 1.21 -5.14	31.75 1.25 -4.42	26.64 1.24 0.00	23.46 0.97 -1.92	21.94 0.69 -6.31
GILBOA___4 23759	21.80 0.70 -5.91	20.36 0.61 -6.56	19.21 0.52 -7.42	18.42 0.44 -8.32	18.73 0.55 -6.30	19.04 0.70 -2.72	20.25 0.70 -4.07	20.05 0.68 -4.38	22.25 0.88 -2.74	23.55 0.97 -1.40	26.14 0.92 -4.77	26.51 0.97 -3.93	26.93 1.01 -4.01	24.14 1.02 -1.32	23.95 0.98 -1.33	23.47 0.98 -1.18	24.15 0.98 -1.93	28.17 1.06 -3.55	31.22 1.11 -5.89	32.02 1.21 -5.14	31.75 1.25 -4.42	26.64 1.24 0.00	23.46 0.97 -1.92	21.94 0.69 -6.31
GILBOA___ 23599	21.80 0.70 -5.91	20.36 0.61 -6.57	19.22 0.52 -7.43	18.43 0.43 -8.33	18.74 0.55 -6.30	19.04 0.70 -2.72	20.25 0.70 -4.07	20.06 0.68 -4.38	22.25 0.88 -2.74	23.55 0.97 -1.40	26.14 0.92 -4.77	26.52 0.97 -3.95	26.95 1.01 -4.03	24.15 1.02 -1.33	23.95 0.97 -1.33	23.47 0.98 -1.18	24.15 0.98 -1.93	28.17 1.06 -3.56	31.23 1.11 -5.91	32.03 1.21 -5.15	31.77 1.25 -4.44	26.66 1.24 -0.02	23.45 0.95 -1.93	21.95 0.69 -6.33
GINNA___ 23603	16.08 0.09 -0.80	14.15 0.08 -0.89	12.34 0.07 -1.00	10.85 0.06 -1.12	12.85 0.11 -0.85	16.12 0.14 -0.37	16.14 0.11 -0.55	15.68 0.09 -0.59	18.98 -0.02 -0.37	21.33 -0.04 -0.19	21.03 -0.06 -0.64	21.98 -0.15 -0.53	22.21 -0.24 -0.54	21.67 -0.31 -0.18	21.74 -0.09 -0.18	21.43 -0.04 -0.16	21.42 -0.08 -0.26	23.97 -0.07 -0.48	24.94 -0.07 -0.80	26.49 0.13 -0.69	26.86 0.18 -0.60	25.14 -0.25 0.00	20.73 -0.10 -0.26	15.88 0.09 -0.86
GLEN PARK___ 23778	15.30 -0.27 -0.38	13.40 -0.21 -0.43	11.57 -0.18 -0.48	10.05 -0.16 -0.54	12.11 -0.19 -0.41	15.51 -0.28 -0.18	15.47 -0.28 -0.26	14.89 -0.39 -0.28	18.23 -0.58 -0.18	20.55 -0.72 -0.09	20.16 -0.59 -0.31	21.25 -0.60 -0.25	21.51 -0.66 -0.26	21.18 -0.70 -0.09	20.97 -0.76 -0.09	20.58 -0.81 -0.08	20.67 -0.70 -0.12	23.17 -0.61 -0.23	24.18 -0.41 -0.38	26.39 -0.21 -0.92	26.95 -0.21 -1.08	25.66 -0.25 -0.52	20.37 -0.33 -0.13	15.09 -0.25 -0.41
GLENDALE_27_KV_LOAD 356172	22.95 1.58 -6.18	21.39 1.35 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.89 1.44 -2.84	21.14 1.41 -4.25	20.97 1.40 -4.57	23.30 1.81 -2.86	24.61 1.97 -1.46	27.31 1.88 -4.98	27.75 2.03 -4.12	28.19 2.08 -4.21	25.29 2.11 -1.39	25.12 2.08 -1.39	24.61 2.07 -1.23	25.31 2.06 -2.01	29.53 2.26 -3.71	32.72 2.35 -6.16	33.53 2.49 -5.37	33.34 2.63 -4.63	27.96 2.54 -0.02	24.57 1.98 -2.01	23.02 1.48 -6.60

GLENWOOD_IC_1_G5 23712	22.99 1.63 -6.17	21.41 1.37 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.92 1.47 -2.84	21.22 1.49 -4.25	21.01 1.44 -4.57	23.40 1.90 -2.86	29.64 2.14 -6.32	31.51 2.09 -8.98	34.03 2.23 -10.20	32.01 2.28 -7.83	30.99 2.29 -6.91	31.83 2.23 -7.96	31.11 2.22 -7.58	33.07 2.21 -9.62	35.42 2.45 -9.41	38.11 2.54 -11.35	42.17 2.64 -13.85	48.35 2.79 -19.48	33.97 2.74 -5.83	25.35 2.08 -2.70	23.03 1.49 -6.60
GLENWOOD_IC_2_G1 23688	22.88 1.53 -6.15	21.33 1.31 -6.84	20.09 1.09 -7.73	19.23 0.90 -8.67	19.53 1.08 -6.56	19.84 1.39 -2.83	21.13 1.41 -4.24	20.94 1.38 -4.56	23.29 1.81 -2.85	29.51 2.01 -6.31	31.35 1.94 -8.96	33.86 2.07 -10.18	31.84 2.12 -7.81	30.85 2.16 -6.90	31.70 2.10 -7.95	30.95 2.07 -7.58	32.94 2.08 -9.62	35.27 2.31 -9.40	37.94 2.40 -11.32	42.06 2.57 -13.83	48.21 2.69 -19.45	33.80 2.59 -5.81	25.25 1.96 -2.72	23.04 1.42 -6.68
GLENWOOD_IC_3_G1 23689	22.88 1.53 -6.15	21.33 1.31 -6.84	20.09 1.09 -7.73	19.23 0.90 -8.67	19.53 1.08 -6.56	19.84 1.39 -2.83	21.13 1.41 -4.24	20.94 1.38 -4.56	23.29 1.81 -2.85	29.51 2.01 -6.31	31.35 1.94 -8.96	33.86 2.07 -10.18	31.84 2.12 -7.81	30.85 2.16 -6.90	31.70 2.10 -7.95	30.95 2.07 -7.58	32.94 2.08 -9.62	35.27 2.31 -9.40	37.94 2.40 -11.32	42.06 2.57 -13.83	48.21 2.69 -19.45	33.80 2.59 -5.81	25.25 1.96 -2.72	23.04 1.42 -6.68
GLENWOOD___4 23550	22.99 1.63 -6.17	21.41 1.37 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.92 1.47 -2.84	21.22 1.49 -4.25	21.01 1.44 -4.57	23.40 1.90 -2.86	29.64 2.14 -6.32	31.51 2.09 -8.98	34.03 2.23 -10.20	32.01 2.28 -7.83	30.99 2.29 -6.91	31.83 2.23 -7.96	31.11 2.22 -7.58	33.07 2.21 -9.62	35.42 2.45 -9.41	38.11 2.54 -11.35	42.22 2.70 -13.85	48.37 2.82 -19.48	33.97 2.74 -5.83	25.35 2.08 -2.70	23.03 1.49 -6.60
GLENWOOD___5 23614	22.99 1.63 -6.17	21.41 1.37 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.92 1.47 -2.84	21.22 1.49 -4.25	21.01 1.44 -4.57	23.40 1.90 -2.86	29.64 2.14 -6.32	31.51 2.09 -8.98	34.03 2.23 -10.20	32.01 2.28 -7.83	30.99 2.29 -6.91	31.83 2.23 -7.96	31.11 2.22 -7.58	33.07 2.21 -9.62	35.42 2.45 -9.41	38.11 2.54 -11.35	42.22 2.70 -13.85	48.37 2.82 -19.48	33.97 2.74 -5.83	25.35 2.08 -2.70	23.03 1.49 -6.60
GLOBAL GREEN_PORT_GT1 23814	23.56 2.22 -6.15	21.91 1.89 -6.84	20.52 1.52 -7.73	19.59 1.26 -8.67	19.94 1.50 -6.56	20.40 1.95 -2.83	21.75 2.03 -4.24	21.48 1.92 -4.56	24.13 2.64 -2.85	30.54 3.05 -6.31	32.13 2.72 -8.96	34.66 2.87 -10.18	32.60 2.89 -7.81	31.59 2.90 -6.90	32.41 2.81 -7.95	31.68 2.79 -7.58	33.71 2.85 -9.62	36.28 3.32 -9.40	39.00 3.46 -11.32	43.25 3.75 -13.83	49.44 3.91 -19.45	34.87 3.66 -5.81	26.05 2.76 -2.72	23.65 2.03 -6.68
GLOBE___DSASP 323697	15.50 -0.71 -1.02	13.71 -0.61 -1.13	12.04 -0.51 -1.28	10.67 -0.43 -1.44	12.54 -0.44 -1.09	15.49 -0.59 -0.47	15.43 -0.73 -0.68	14.92 -0.81 -0.73	17.84 -1.27 -0.47	19.88 -1.55 -0.24	19.76 -1.51 -0.82	19.96 -1.38 0.26	19.93 -1.45 0.53	19.70 -1.87 0.22	19.86 -1.69 0.10	19.87 -1.64 -0.20	19.90 -1.68 -0.33	22.31 -1.86 -0.61	23.10 -1.48 -0.36	24.89 -1.67 -0.89	24.80 -1.59 -0.32	22.84 -1.63 0.93	18.90 -1.56 0.11	15.24 -0.76 -1.06
GOETHSLN___LBMP 323567	22.79 1.43 -6.17	21.25 1.21 -6.85	20.05 1.03 -7.75	19.18 0.83 -8.69	19.45 0.99 -6.57	19.72 1.27 -2.84	21.00 1.27 -4.25	20.86 1.29 -4.57	23.15 1.66 -2.86	24.44 1.80 -1.46	27.14 1.72 -4.98	27.56 1.84 -4.12	27.99 1.88 -4.21	25.10 1.92 -1.39	24.90 1.86 -1.39	24.40 1.85 -1.23	25.12 1.87 -2.01	29.31 2.05 -3.71	32.55 2.18 -6.16	33.41 2.36 -5.37	33.19 2.48 -4.63	27.80 2.39 -0.02	24.42 1.83 -2.01	22.87 1.33 -6.60
GOLAH___69_KV_TB 1_2 80279	16.13 0.09 -0.85	14.25 0.12 -0.94	12.43 0.10 -1.06	10.96 0.11 -1.19	12.98 0.19 -0.90	16.27 0.27 -0.39	16.27 0.20 -0.58	15.76 0.14 -0.63	18.93 -0.09 -0.39	21.19 -0.19 -0.20	20.97 -0.16 -0.68	21.85 -0.24 -0.48	22.03 -0.35 -0.47	21.51 -0.44 -0.15	21.61 -0.19 -0.16	21.27 -0.21 -0.17	21.26 -0.25 -0.28	23.83 -0.24 -0.51	24.83 -0.17 -0.79	26.49 0.05 -0.77	26.84 0.13 -0.64	25.09 -0.25 0.05	20.71 -0.10 -0.24	15.98 0.13 -0.91
GOODYEAR_LAKE_HYD 323669	18.24 0.79 -2.26	16.37 0.67 -2.51	14.68 0.57 -2.84	13.33 0.48 -3.18	14.89 0.59 -2.41	17.45 0.80 -1.04	17.84 0.81 -1.56	17.45 0.78 -1.67	20.67 0.99 -1.05	22.79 1.08 -0.53	23.31 1.04 -1.82	24.29 1.17 -1.52	24.71 1.25 -1.56	23.55 1.24 -0.51	23.29 1.13 -0.51	22.85 1.09 -0.45	23.08 1.10 -0.74	26.19 1.27 -1.36	27.81 1.33 -2.27	29.11 1.46 -1.98	29.31 1.51 -1.72	26.98 1.55 -0.03	22.39 1.07 -0.75	18.13 0.78 -2.42
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	17.71 0.36 -2.15	15.88 0.30 -2.39	14.23 0.26 -2.70	12.89 0.20 -3.03	14.45 0.27 -2.29	16.97 0.36 -0.99	17.30 0.34 -1.48	16.92 0.33 -1.59	19.98 0.35 -1.00	22.05 0.36 -0.51	22.49 0.31 -1.73	23.40 0.32 -1.48	23.86 0.44 -1.52	22.84 0.54 -0.50	22.45 0.30 -0.50	22.06 0.32 -0.43	22.26 0.32 -0.70	25.20 0.35 -1.29	26.78 0.39 -2.18	28.13 0.56 -1.89	28.34 0.60 -1.66	26.25 0.79 -0.07	21.59 0.29 -0.72	17.54 0.30 -2.30
GOUDEY___7 23579	17.71 0.36 -2.15	15.89 0.32 -2.39	14.23 0.26 -2.70	12.90 0.21 -3.03	14.47 0.29 -2.29	16.98 0.37 -0.99	17.30 0.34 -1.48	16.94 0.35 -1.59	20.00 0.37 -1.00	22.07 0.38 -0.51	22.51 0.33 -1.73	23.42 0.35 -1.48	23.89 0.46 -1.52	22.86 0.57 -0.50	22.49 0.35 -0.50	22.08 0.34 -0.43	22.28 0.34 -0.70	25.22 0.38 -1.29	26.80 0.41 -2.18	28.13 0.56 -1.89	28.37 0.63 -1.66	26.28 0.81 -0.07	21.61 0.31 -0.72	17.55 0.31 -2.30
GOUDEY___8 23580	17.71 0.36 -2.15	15.88 0.30 -2.39	14.23 0.26 -2.70	12.89 0.20 -3.03	14.45 0.27 -2.29	16.97 0.36 -0.99	17.30 0.34 -1.48	16.92 0.33 -1.59	19.98 0.35 -1.00	22.05 0.36 -0.51	22.49 0.31 -1.73	23.40 0.32 -1.48	23.86 0.44 -1.52	22.84 0.54 -0.50	22.45 0.30 -0.50	22.06 0.32 -0.43	22.26 0.32 -0.70	25.20 0.35 -1.29	26.78 0.39 -2.18	28.13 0.56 -1.89	28.34 0.60 -1.66	26.25 0.79 -0.07	21.59 0.29 -0.72	17.54 0.30 -2.30
GOWANUS_GT1_1 24077	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT1_2 24078	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69

GOWANUS_GT1_3 24079	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT1_4 24080	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT1_5 24084	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT1_6 24111	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT1_7 24112	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT1_8 24113	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_1 24114	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_2 24115	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_3 24116	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_4 24117	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_5 24118	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_6 24119	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_7 24120	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT2_8 24121	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
GOWANUS_GT3_1 24122	22.95	21.38	20.15	19.28	19.58	19.84	21.10	20.89	23.20	24.50	27.21	27.64	28.08	25.20	25.02	24.54	25.24	29.47	32.63	33.43	33.21	27.89	24.59	23.11
	1.59	1.36	1.15	0.95	1.13	1.39	1.38	1.33	1.71	1.86	1.80	1.95	1.99	2.03	1.99	2.00	2.00	2.21	2.28	2.41	2.53	2.49	1.98	1.48
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69

GOWANUS_GT3_2 24123	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT3_3 24124	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT3_4 24125	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT3_5 24126	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT3_6 24127	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT3_7 24128	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT3_8 24129	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_1 24130	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_2 24131	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_3 24132	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_4 24133	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_5 24134	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_6 24135	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_7 24136	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
GOWANUS_GT4_8 24137	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69

GREENBSH_115KV_TB3 55895	23.12 0.53 -7.39	21.87 0.47 -8.21	20.97 0.42 -9.29	20.45 0.38 -10.41	20.24 0.48 -7.88	19.64 0.62 -3.40	21.18 0.60 -5.09	21.08 0.60 -5.48	22.84 0.78 -3.43	23.80 0.87 -1.75	27.25 0.84 -5.96	27.42 0.89 -4.93	27.86 0.92 -5.03	24.37 0.92 -1.66	24.22 0.91 -1.67	23.66 0.87 -1.48	24.52 0.87 -2.41	28.97 0.97 -4.44	32.56 0.97 -7.38	33.16 1.05 -6.43	32.69 1.07 -5.54	26.45 1.04 -0.01	23.79 0.80 -2.41	23.39 0.54 -7.91
GREENDGE_115KV_TB5 80291	16.84 0.36 -1.28	14.91 0.30 -1.42	13.14 0.26 -1.61	11.66 0.19 -1.80	13.54 0.29 -1.36	16.60 0.39 -0.59	16.74 0.37 -0.88	16.32 0.38 -0.95	19.56 0.34 -0.59	21.82 0.34 -0.30	21.72 0.25 -1.03	23.43 0.22 -1.61	24.07 0.31 -1.86	22.82 0.37 -0.65	22.42 0.22 -0.56	21.82 0.26 -0.26	21.89 0.23 -0.42	24.61 0.28 -0.77	26.39 0.36 -1.81	27.35 0.54 -1.14	28.01 0.57 -1.36	26.79 0.61 -0.78	21.52 0.16 -0.78	16.56 0.25 -1.37
GREENIDGE___3 23582	16.84 0.36 -1.28	14.91 0.30 -1.42	13.14 0.26 -1.61	11.66 0.19 -1.80	13.54 0.29 -1.36	16.60 0.39 -0.59	16.74 0.37 -0.88	16.32 0.38 -0.95	19.56 0.34 -0.59	21.82 0.34 -0.30	21.72 0.25 -1.03	23.43 0.22 -1.61	24.07 0.31 -1.86	22.82 0.37 -0.65	22.42 0.22 -0.56	21.82 0.26 -0.26	21.89 0.23 -0.42	24.61 0.28 -0.77	26.39 0.36 -1.81	27.35 0.54 -1.14	28.01 0.57 -1.36	26.79 0.61 -0.78	21.52 0.16 -0.78	16.56 0.25 -1.37
GREENIDGE___4 23583	16.86 0.36 -1.30	14.93 0.30 -1.44	13.16 0.26 -1.63	11.69 0.19 -1.83	13.56 0.28 -1.38	16.61 0.39 -0.60	16.75 0.37 -0.89	16.34 0.38 -0.96	19.57 0.34 -0.60	21.83 0.34 -0.31	21.74 0.25 -1.05	24.37 0.22 -2.56	25.28 0.28 -3.09	23.24 0.35 -1.10	22.75 0.22 -0.89	21.83 0.26 -0.26	21.90 0.23 -0.42	24.62 0.28 -0.78	27.03 0.34 -2.47	27.34 0.54 -1.13	28.43 0.57 -1.78	27.69 0.61 -1.68	21.97 0.16 -1.23	16.59 0.25 -1.39
GREENLWN_69_KV_BK 3 55738	23.12 1.76 -6.17	21.53 1.49 -6.85	20.24 1.22 -7.75	19.36 1.01 -8.69	19.67 1.20 -6.57	20.00 1.55 -2.84	21.31 1.58 -4.25	21.09 1.52 -4.57	23.54 2.05 -2.86	29.85 2.35 -6.32	31.63 2.21 -8.98	34.16 2.35 -10.20	32.15 2.41 -7.83	31.14 2.44 -6.91	31.99 2.38 -7.96	31.24 2.34 -7.58	33.22 2.36 -9.62	35.63 2.66 -9.41	38.32 2.76 -11.35	42.47 2.95 -13.85	48.63 3.08 -19.48	34.17 2.95 -5.83	25.54 2.26 -2.70	23.17 1.63 -6.60
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.96 1.60 -6.18	21.40 1.36 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.85 1.39 -2.84	21.09 1.36 -4.25	20.91 1.34 -4.57	23.21 1.71 -2.86	24.50 1.86 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.23 2.05 -1.39	25.03 1.99 -1.39	24.55 2.00 -1.23	25.25 2.00 -2.01	29.48 2.21 -3.71	32.68 2.30 -6.16	33.46 2.41 -5.37	33.24 2.53 -4.63	27.90 2.49 -0.02	24.57 1.98 -2.01	23.02 1.48 -6.60
GRISSOM___SOLAR 323813	25.26 1.40 -8.67	24.01 1.19 -9.64	23.16 0.99 -10.90	22.73 0.85 -12.22	22.23 1.09 -9.24	21.11 1.50 -3.99	22.96 1.50 -5.97	22.84 1.41 -6.43	24.39 1.73 -4.02	25.20 1.97 -2.05	29.02 1.57 -7.00	29.04 1.66 -5.77	29.49 1.69 -5.89	25.37 1.64 -1.94	25.20 1.60 -1.95	24.65 1.60 -1.74	25.81 1.74 -2.83	30.94 2.17 -5.21	35.24 2.37 -8.65	35.78 2.57 -7.54	35.15 2.58 -6.49	28.04 2.64 0.00	25.56 2.16 -2.83	25.73 1.51 -9.28
GROVEVILLE___HYD 323602	22.76 1.40 -6.17	21.23 1.19 -6.86	20.04 1.01 -7.76	19.20 0.84 -8.69	19.49 1.02 -6.58	19.77 1.31 -2.84	21.04 1.30 -4.25	20.83 1.26 -4.57	23.14 1.64 -2.86	24.46 1.82 -1.46	27.23 1.80 -4.98	27.64 1.92 -4.12	28.11 1.99 -4.21	25.14 1.96 -1.39	24.94 1.90 -1.39	24.42 1.88 -1.24	25.15 1.89 -2.01	29.34 2.07 -3.71	32.53 2.16 -6.16	33.36 2.31 -5.38	33.14 2.43 -4.64	27.78 2.36 -0.02	24.30 1.71 -2.02	22.78 1.24 -6.61
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	16.04 0.15 -0.69	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.72 0.10 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.66 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.26 0.17 -0.49	22.61 0.20 -0.50	22.16 0.20 -0.17	21.99 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.16 -0.42	25.09 0.17 -0.71	26.54 0.23 -0.64	26.90 0.23 -0.58	25.64 0.18 -0.06	20.88 0.06 -0.24	15.78 0.10 -0.74
HAMLTNNY_34_KV_TB 80303	16.10 0.17 -0.74	14.17 0.16 -0.82	12.33 0.14 -0.93	10.79 0.09 -1.04	12.80 0.12 -0.79	16.11 0.16 -0.34	16.16 0.17 -0.51	15.73 0.18 -0.55	19.16 0.19 -0.34	21.57 0.21 -0.17	21.29 0.25 -0.60	22.37 0.24 -0.53	22.70 0.24 -0.55	22.22 0.24 -0.18	22.06 0.24 -0.18	21.71 0.26 -0.15	21.72 0.23 -0.24	24.24 0.24 -0.44	25.22 0.24 -0.76	26.69 0.33 -0.68	27.04 0.34 -0.62	25.75 0.28 -0.07	20.94 0.10 -0.26	15.86 0.13 -0.79
HAMPSHIRE___PAPER_HYD 323593	14.55 -0.81 -0.16	12.68 -0.69 -0.18	10.89 -0.57 -0.20	9.40 -0.49 -0.22	11.44 -0.62 -0.17	14.88 -0.81 -0.07	14.80 -0.79 -0.11	14.32 -0.80 -0.12	17.70 -1.01 -0.07	20.07 -1.14 -0.04	19.47 -1.10 -0.13	20.61 -1.10 -0.11	20.85 -1.16 -0.11	20.65 -1.18 -0.04	20.49 -1.19 -0.04	20.13 -1.21 -0.03	20.15 -1.15 -0.05	22.45 -1.20 -0.10	23.16 -1.21 -0.16	22.44 -1.26 1.98	22.02 -1.30 2.75	22.26 -1.27 1.87	19.62 -1.01 -0.05	14.36 -0.75 -0.17
HARDSCRABBLE_WT_PWR 323673	15.08 -0.23 -0.11	13.13 -0.18 -0.12	11.25 -0.16 -0.14	9.69 -0.14 -0.16	11.84 -0.17 -0.12	15.45 -0.22 -0.05	15.34 -0.22 -0.08	14.86 -0.22 -0.08	18.42 -0.26 -0.05	20.89 -0.32 -0.03	20.21 -0.33 -0.09	21.35 -0.32 -0.07	21.65 -0.33 -0.08	21.49 -0.33 -0.02	21.32 -0.35 -0.03	20.99 -0.34 -0.02	20.92 -0.36 -0.04	23.22 -0.40 -0.07	23.91 -0.41 -0.11	25.38 -0.38 -0.10	25.77 -0.39 -0.08	25.09 -0.30 0.00	20.45 -0.17 -0.04	14.97 -0.09 -0.12
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	22.51 1.32 -6.00	20.99 1.13 -6.67	19.77 0.96 -7.54	18.91 0.79 -8.45	19.25 0.96 -6.39	19.61 1.23 -2.76	20.84 1.22 -4.13	20.65 1.20 -4.44	22.98 1.57 -2.78	24.34 1.74 -1.42	26.92 1.64 -4.84	27.38 1.77 -4.00	27.81 1.82 -4.09	24.97 1.83 -1.35	24.78 1.78 -1.35	24.26 1.75 -1.20	24.96 1.76 -1.96	29.09 1.93 -3.61	32.19 1.99 -5.99	33.05 2.16 -5.23	32.88 2.29 -4.51	27.63 2.21 -0.02	24.20 1.67 -1.96	22.55 1.20 -6.42
HARSNRAD_115KV_TB1 81005	15.73 -0.49 -1.02	13.90 -0.42 -1.14	12.20 -0.35 -1.28	10.79 -0.31 -1.44	12.69 -0.29 -1.09	15.70 -0.39 -0.47	15.70 -0.48 -0.70	15.18 -0.57 -0.75	18.16 -0.95 -0.47	20.24 -1.19 -0.24	20.09 -1.19 -0.82	20.69 -1.19 -0.27	20.86 -1.23 -0.18	20.61 -1.22 -0.03	20.41 -1.32 -0.09	20.24 -1.28 -0.20	20.26 -1.32 -0.33	22.73 -1.44 -0.61	23.74 -1.21 -0.74	25.38 -1.21 -0.92	25.57 -1.12 -0.61	23.89 -1.14 0.37	19.58 -1.13 -0.14	15.50 -0.52 -1.09
HARZA MOOSE___RIVER 24016	15.35 -0.06 -0.22	13.39 -0.04 -0.25	11.51 -0.03 -0.28	9.95 -0.03 -0.31	12.09 -0.04 -0.24	15.67 -0.05 -0.10	15.61 -0.03 -0.15	15.11 -0.06 -0.16	18.61 -0.13 -0.10	21.04 -0.19 -0.05	20.42 -0.20 -0.18	21.56 -0.19 -0.15	21.88 -0.18 -0.15	21.63 -0.22 -0.05	21.44 -0.26 -0.05	21.08 -0.28 -0.04	21.10 -0.21 -0.07	23.52 -0.16 -0.13	24.39 -0.05 -0.22	26.31 0.03 -0.61	26.81 0.00 -0.73	25.74 -0.03 -0.37	20.63 -0.02 -0.07	15.15 -0.03 -0.24

HDSNBRDG_115KV_BRDG_TB1 355580	15.90 0.06 -0.65	13.96 0.05 -0.72	12.12 0.03 -0.82	10.60 0.02 -0.92	12.62 0.04 -0.69	15.96 0.05 -0.30	15.98 0.05 -0.45	15.54 0.06 -0.48	18.97 0.04 -0.30	21.38 0.04 -0.15	21.01 0.04 -0.53	22.06 0.02 -0.44	22.40 0.04 -0.45	21.98 0.04 -0.15	21.84 0.04 -0.15	21.50 0.06 -0.13	21.50 0.04 -0.21	23.97 0.02 -0.39	24.89 0.02 -0.65	26.38 0.10 -0.61	26.73 0.10 -0.55	25.49 0.05 -0.04	20.75 -0.04 -0.21	15.66 0.03 -0.70
HELLGATE_13_KV_LD 55870	22.92 1.55 -6.18	21.35 1.31 -6.85	20.14 1.12 -7.75	19.28 0.93 -8.69	19.57 1.11 -6.57	19.85 1.39 -2.84	21.08 1.35 -4.25	20.91 1.34 -4.57	23.23 1.73 -2.86	24.50 1.86 -1.46	27.20 1.78 -4.98	27.64 1.92 -4.12	28.06 1.95 -4.21	25.18 2.00 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.19 1.93 -2.01	29.38 2.12 -3.71	32.58 2.20 -6.16	33.38 2.34 -5.37	33.19 2.48 -4.63	27.80 2.39 -0.02	24.48 1.89 -2.01	22.97 1.43 -6.60
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.92 1.55 -6.18	21.35 1.31 -6.85	20.14 1.12 -7.75	19.28 0.93 -8.69	19.57 1.11 -6.57	19.85 1.39 -2.84	21.08 1.35 -4.25	20.91 1.34 -4.57	23.23 1.73 -2.86	24.50 1.86 -1.46	27.20 1.78 -4.98	27.64 1.92 -4.12	28.06 1.95 -4.21	25.18 2.00 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.19 1.93 -2.01	29.38 2.12 -3.71	32.58 2.20 -6.16	33.38 2.34 -5.37	33.19 2.48 -4.63	27.80 2.39 -0.02	24.48 1.89 -2.01	22.97 1.43 -6.60
HEMPSTEAD____ 23647	22.99 1.64 -6.15	21.41 1.38 -6.84	20.15 1.15 -7.73	19.28 0.95 -8.67	19.58 1.13 -6.56	19.90 1.45 -2.83	21.21 1.49 -4.24	20.98 1.43 -4.56	23.41 1.92 -2.85	29.65 2.16 -6.31	31.50 2.09 -8.96	33.99 2.20 -10.18	31.97 2.26 -7.81	30.98 2.29 -6.90	31.83 2.23 -7.95	31.10 2.22 -7.58	33.05 2.19 -9.62	35.43 2.47 -9.40	38.10 2.57 -11.32	42.22 2.72 -13.83	48.37 2.84 -19.45	33.98 2.77 -5.81	25.41 2.12 -2.72	23.15 1.52 -6.68
HEWLETT__69_KV_BK3 55828	23.18 1.82 -6.17	21.57 1.53 -6.85	20.28 1.26 -7.75	19.40 1.04 -8.69	19.71 1.25 -6.57	20.06 1.61 -2.84	21.37 1.64 -4.25	21.15 1.58 -4.57	23.60 2.11 -2.86	29.91 2.41 -6.32	31.69 2.27 -8.98	34.20 2.40 -10.20	32.19 2.45 -7.83	31.17 2.46 -6.91	32.01 2.40 -7.96	31.28 2.39 -7.58	33.24 2.38 -9.62	35.60 2.64 -9.41	38.30 2.74 -11.35	42.47 2.95 -13.85	48.66 3.10 -19.48	34.20 2.97 -5.83	25.62 2.35 -2.70	23.23 1.69 -6.60
HICKLING__1 23621	17.22 0.38 -1.65	15.34 0.32 -1.83	13.61 0.27 -2.07	12.19 0.20 -2.32	13.95 0.30 -1.76	16.77 0.39 -0.76	16.98 0.36 -1.14	16.58 0.36 -1.22	19.71 0.32 -0.77	21.87 0.30 -0.39	22.04 0.27 -1.33	23.35 0.26 -1.49	24.00 0.46 -1.63	22.98 0.63 -0.56	22.42 0.26 -0.51	21.94 0.30 -0.33	22.06 0.28 -0.54	24.85 0.31 -0.99	26.50 0.36 -1.92	27.72 0.59 -1.46	28.16 0.63 -1.46	26.80 0.99 -0.42	21.40 0.10 -0.72	16.96 0.25 -1.77
HICKLING__2 23622	17.22 0.38 -1.65	15.34 0.32 -1.83	13.61 0.27 -2.07	12.19 0.20 -2.32	13.95 0.30 -1.76	16.77 0.39 -0.76	16.98 0.36 -1.14	16.58 0.36 -1.22	19.71 0.32 -0.77	21.87 0.30 -0.39	22.04 0.27 -1.33	23.35 0.26 -1.49	24.00 0.46 -1.63	22.98 0.63 -0.56	22.42 0.26 -0.51	21.94 0.30 -0.33	22.06 0.28 -0.54	24.85 0.31 -0.99	26.50 0.36 -1.92	27.72 0.59 -1.46	28.16 0.63 -1.46	26.80 0.99 -0.42	21.40 0.10 -0.72	16.96 0.25 -1.77
HIGH FALLS__HY 23754	22.93 1.49 -6.24	21.39 1.27 -6.94	20.19 1.07 -7.85	19.34 0.88 -8.80	19.60 1.06 -6.65	19.85 1.36 -2.87	21.13 1.35 -4.30	20.93 1.31 -4.63	23.17 1.64 -2.90	24.46 1.80 -1.48	27.10 1.62 -5.04	27.50 1.73 -4.17	27.94 1.77 -4.26	24.98 1.79 -1.40	24.77 1.71 -1.41	24.27 1.70 -1.25	25.06 1.78 -2.04	29.31 2.00 -3.75	32.53 2.08 -6.24	33.37 2.26 -5.44	33.19 2.43 -4.69	27.80 2.39 -0.02	24.43 1.81 -2.04	22.95 1.33 -6.68
HILLBURN__GT 23639	22.54 1.35 -6.00	21.00 1.15 -6.67	19.79 0.98 -7.54	18.93 0.81 -8.45	19.26 0.98 -6.39	19.64 1.26 -2.76	20.87 1.25 -4.13	20.68 1.23 -4.44	23.02 1.60 -2.78	24.36 1.76 -1.42	26.92 1.64 -4.84	27.35 1.75 -3.99	27.78 1.80 -4.08	24.94 1.81 -1.34	24.77 1.78 -1.35	24.26 1.75 -1.20	24.94 1.74 -1.96	29.10 1.93 -3.61	32.19 1.99 -5.98	33.05 2.16 -5.22	32.86 2.30 -4.49	27.61 2.21 0.00	24.26 1.71 -1.98	22.67 1.23 -6.51
HILLSIDE_115KV_TB1 80332	17.04 0.18 -1.67	15.19 0.15 -1.86	13.49 0.12 -2.10	12.10 0.09 -2.35	13.82 0.15 -1.78	16.57 0.19 -0.77	16.77 0.14 -1.15	16.39 0.15 -1.24	19.48 0.07 -0.77	21.60 0.02 -0.39	21.77 -0.02 -1.35	23.00 -0.06 -1.46	23.63 0.13 -1.59	22.66 0.33 -0.54	22.08 -0.06 -0.50	21.60 -0.04 -0.33	21.72 -0.06 -0.54	24.51 -0.05 -1.00	26.10 -0.02 -1.91	27.33 0.18 -1.48	27.79 0.26 -1.45	26.45 0.69 -0.37	21.20 -0.08 -0.71	16.80 0.07 -1.79
HISHELDN_WT_PWR 323625	16.03 -0.35 -1.18	14.18 -0.32 -1.31	12.49 -0.26 -1.48	11.10 -0.23 -1.66	12.95 -0.20 -1.26	15.88 -0.28 -0.54	15.92 -0.37 -0.81	15.46 -0.42 -0.87	18.45 -0.73 -0.55	20.53 -0.93 -0.28	20.46 -0.94 -0.95	18.14 -1.06 2.40	17.63 -0.92 3.35	19.70 -0.83 1.27	19.75 -1.04 0.86	20.59 -0.96 -0.24	20.65 -0.98 -0.39	23.21 -1.06 -0.71	22.15 -1.02 1.05	25.80 -0.90 -1.03	24.58 -0.86 0.63	21.57 -0.66 3.17	18.37 -1.07 1.13	15.71 -0.49 -1.27
HOLTSVILLE_IC_1 23690	23.15 1.81 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.67 1.22 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.89 2.39 -6.31	31.56 2.15 -8.96	34.01 2.23 -10.18	32.01 2.30 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.15 2.26 -7.58	33.13 2.27 -9.62	35.55 2.59 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.55 3.02 -19.45	34.10 2.89 -5.81	25.52 2.22 -2.72	23.28 1.66 -6.68
HOLTSVILLE_IC_10 23699	23.21 1.87 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.15 1.59 -4.56	23.65 2.16 -2.85	29.95 2.46 -6.31	31.66 2.25 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.27 2.39 -7.58	33.26 2.40 -9.62	35.71 2.75 -9.40	38.42 2.88 -11.32	42.60 3.10 -13.83	48.73 3.21 -19.45	34.26 3.05 -5.81	25.60 2.30 -2.72	23.34 1.72 -6.68
HOLTSVILLE_IC_2 23691	23.15 1.81 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.67 1.22 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.89 2.39 -6.31	31.56 2.15 -8.96	34.01 2.23 -10.18	32.01 2.30 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.15 2.26 -7.58	33.13 2.27 -9.62	35.55 2.59 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.55 3.02 -19.45	34.10 2.89 -5.81	25.52 2.22 -2.72	23.28 1.66 -6.68
HOLTSVILLE_IC_3 23692	23.15 1.81 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.67 1.22 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.89 2.39 -6.31	31.56 2.15 -8.96	34.01 2.23 -10.18	32.01 2.30 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.15 2.26 -7.58	33.13 2.27 -9.62	35.55 2.59 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.55 3.02 -19.45	34.10 2.89 -5.81	25.52 2.22 -2.72	23.28 1.66 -6.68

HOLTSVILLE_IC_4 23693	23.15 1.81 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.67 1.22 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.89 2.39 -6.31	31.56 2.15 -8.96	34.01 2.23 -10.18	32.01 2.30 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.15 2.26 -7.58	33.13 2.27 -9.62	35.55 2.59 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.55 3.02 -19.45	34.10 2.89 -5.81	25.52 2.22 -2.72	23.28 1.66 -6.68
HOLTSVILLE_IC_5 23694	23.15 1.81 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.67 1.22 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.89 2.39 -6.31	31.56 2.15 -8.96	34.01 2.23 -10.18	32.01 2.30 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.15 2.26 -7.58	33.13 2.27 -9.62	35.55 2.59 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.55 3.02 -19.45	34.10 2.89 -5.81	25.52 2.22 -2.72	23.28 1.66 -6.68
HOLTSVILLE_IC_6 23695	23.21 1.87 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.15 1.59 -4.56	23.65 2.16 -2.85	29.95 2.46 -6.31	31.66 2.25 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.27 2.39 -7.58	33.26 2.40 -9.62	35.71 2.75 -9.40	38.42 2.88 -11.32	42.60 3.10 -13.83	48.73 3.21 -19.45	34.26 3.05 -5.81	25.60 2.30 -2.72	23.34 1.72 -6.68
HOLTSVILLE_IC_7 23696	23.21 1.87 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.15 1.59 -4.56	23.65 2.16 -2.85	29.95 2.46 -6.31	31.66 2.25 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.27 2.39 -7.58	33.26 2.40 -9.62	35.71 2.75 -9.40	38.42 2.88 -11.32	42.60 3.10 -13.83	48.73 3.21 -19.45	34.26 3.05 -5.81	25.60 2.30 -2.72	23.34 1.72 -6.68
HOLTSVILLE_IC_8 23697	23.21 1.87 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.15 1.59 -4.56	23.65 2.16 -2.85	29.95 2.46 -6.31	31.66 2.25 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.27 2.39 -7.58	33.26 2.40 -9.62	35.71 2.75 -9.40	38.42 2.88 -11.32	42.60 3.10 -13.83	48.73 3.21 -19.45	34.26 3.05 -5.81	25.60 2.30 -2.72	23.34 1.72 -6.68
HOLTSVILLE_IC_9 23698	23.21 1.87 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.15 1.59 -4.56	23.65 2.16 -2.85	29.95 2.46 -6.31	31.66 2.25 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.14 2.44 -6.90	31.98 2.38 -7.95	31.27 2.39 -7.58	33.26 2.40 -9.62	35.71 2.75 -9.40	38.42 2.88 -11.32	42.60 3.10 -13.83	48.73 3.21 -19.45	34.26 3.05 -5.81	25.60 2.30 -2.72	23.34 1.72 -6.68
HOMER_HL_115KV_TB2 355744	16.06 -0.44 -1.31	14.24 -0.40 -1.45	12.58 -0.33 -1.64	11.21 -0.30 -1.84	13.00 -0.29 -1.39	15.83 -0.39 -0.60	15.93 -0.45 -0.90	15.52 -0.45 -0.97	18.51 -0.73 -0.61	20.54 -0.95 -0.31	20.54 -0.96 -1.05	21.18 -1.10 -0.68	22.22 -0.33 -0.64	22.34 0.35 -0.20	20.79 -1.08 -0.23	20.51 -1.07 -0.26	20.59 -1.08 -0.43	23.16 -1.18 -0.79	24.22 -1.16 -1.17	25.96 -0.87 -1.16	26.19 -0.81 -0.92	26.17 0.94 0.17	19.86 -1.05 -0.33	15.81 -0.52 -1.40
HOWARD_WT_PWR 323690	16.77 0.20 -1.38	14.88 0.16 -1.53	13.12 0.12 -1.73	11.68 0.08 -1.94	13.51 0.15 -1.47	16.45 0.20 -0.63	16.59 0.15 -0.95	16.14 0.12 -1.02	19.24 -0.04 -0.64	21.38 -0.13 -0.33	21.37 -0.18 -1.11	25.83 -0.26 -4.49	27.41 -0.09 -5.59	23.88 0.07 -2.02	23.00 -0.22 -1.57	21.42 -0.17 -0.28	21.52 -0.17 -0.45	24.27 -0.12 -0.83	28.03 -0.05 -3.86	27.05 0.18 -1.20	28.99 0.18 -2.73	29.40 0.46 -3.55	22.33 -0.39 -2.15	16.33 -0.09 -1.48
HQ_GEN_CEDARS 23644	14.88 -0.35 -0.04	12.94 -0.29 -0.04	11.07 -0.25 -0.05	9.51 -0.21 -0.05	11.66 -0.27 -0.04	15.28 -0.36 -0.02	15.17 -0.34 -0.03	14.70 -0.33 -0.03	18.24 -0.41 -0.02	20.77 -0.42 -0.01	20.01 -0.47 -0.03	21.15 -0.48 -0.03	21.43 -0.50 -0.03	21.30 -0.50 -0.01	21.16 -0.50 -0.01	20.81 -0.51 -0.01	20.77 -0.49 -0.01	23.06 -0.52 -0.02	23.67 -0.58 -0.04	24.19 -0.67 0.82	24.22 -0.73 1.12	24.01 -0.63 0.75	20.18 -0.41 -0.01	14.67 -0.31 -0.04
HQ_GEN_CEDARS_PROXY 323590	14.84 -0.35 0.00	12.90 -0.29 0.00	11.02 -0.25 0.00	9.45 -0.21 0.00	11.62 -0.27 0.00	15.26 -0.36 0.00	15.14 -0.34 0.00	14.67 -0.33 0.00	18.22 -0.41 0.00	20.76 -0.42 0.00	19.98 -0.47 0.00	21.15 -0.45 0.00	21.40 -0.50 0.00	21.29 -0.50 0.00	21.15 -0.50 0.00	20.80 -0.51 0.00	20.76 -0.49 0.00	23.04 -0.52 0.00	23.66 -0.56 0.00	24.04 -0.67 0.96	24.04 -0.73 1.31	23.91 -0.63 0.85	20.14 -0.43 0.00	14.62 -0.31 0.00
HQ_GEN_IMPORT 323601	14.92 -0.27 0.00	12.95 -0.24 0.00	11.07 -0.20 0.00	9.50 -0.16 0.00	11.68 -0.21 0.00	15.34 -0.28 0.00	15.22 -0.26 0.00	14.75 -0.26 0.00	18.32 -0.32 0.00	20.84 -0.34 0.00	20.10 -0.35 0.00	21.24 -0.37 0.00	21.53 -0.37 0.00	21.42 -0.37 0.00	21.28 -0.37 0.00	20.95 -0.36 0.00	20.88 -0.36 0.00	23.16 -0.40 0.00	23.80 -0.41 0.14	25.02 -0.51 0.19	25.34 -0.55 0.12	24.79 -0.48 0.12	20.27 -0.31 0.00	14.68 -0.25 0.00
HQ_GEN_WHEEL 23651	14.92 -0.27 0.00	12.95 -0.24 0.00	11.07 -0.20 0.00	9.50 -0.16 0.00	11.68 -0.21 0.00	15.34 -0.28 0.00	15.22 -0.26 0.00	14.75 -0.26 0.00	18.32 -0.32 0.00	20.84 -0.34 0.00	20.10 -0.35 0.00	21.24 -0.37 0.00	21.53 -0.37 0.00	21.42 -0.37 0.00	21.28 -0.37 0.00	20.95 -0.36 0.00	20.88 -0.36 0.00	23.16 -0.40 0.00	23.80 -0.41 0.14	25.02 -0.51 0.19	25.34 -0.55 0.12	24.79 -0.48 0.12	20.27 -0.31 0.00	14.68 -0.25 0.00
HUDSON_AVE_GT_3 23810	22.82 1.47 -6.15	21.29 1.27 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.92 1.36 -4.56	23.24 1.75 -2.85	24.54 1.91 -1.45	27.23 1.82 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.50 1.96 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.63 2.28 -6.14	33.46 2.44 -5.35	33.26 2.58 -4.60	27.86 2.46 0.00	24.50 1.89 -2.03	22.99 1.37 -6.68
HUDSON_AVE_GT_4 23540	22.82 1.47 -6.15	21.29 1.27 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.92 1.36 -4.56	23.24 1.75 -2.85	24.54 1.91 -1.45	27.23 1.82 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.50 1.96 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.63 2.28 -6.14	33.46 2.44 -5.35	33.26 2.58 -4.60	27.86 2.46 0.00	24.50 1.89 -2.03	22.99 1.37 -6.68
HUDSON_AVE_GT_5 23657	22.82 1.47 -6.15	21.29 1.27 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.92 1.36 -4.56	23.24 1.75 -2.85	24.54 1.91 -1.45	27.23 1.82 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.50 1.96 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.63 2.28 -6.14	33.46 2.44 -5.35	33.26 2.58 -4.60	27.86 2.46 0.00	24.50 1.89 -2.03	22.99 1.37 -6.68

HUDSON_AVE_10 24168	22.79 1.43 -6.17	21.27 1.23 -6.85	20.06 1.04 -7.75	19.20 0.85 -8.69	19.47 1.01 -6.57	19.77 1.31 -2.84	21.05 1.32 -4.25	20.91 1.34 -4.57	23.19 1.70 -2.86	24.48 1.84 -1.46	27.16 1.74 -4.98	27.60 1.88 -4.12	28.04 1.93 -4.21	25.14 1.96 -1.39	24.94 1.90 -1.39	24.44 1.90 -1.23	25.14 1.89 -2.01	29.36 2.10 -3.71	32.58 2.20 -6.16	33.41 2.36 -5.37	33.19 2.48 -4.63	27.78 2.36 -0.02	24.44 1.85 -2.01	22.88 1.34 -6.60
HUDSON___115KV_TB 4 355613	23.07 0.65 -7.23	21.78 0.57 -8.03	20.84 0.50 -9.08	20.28 0.43 -10.18	20.15 0.56 -7.70	19.69 0.75 -3.32	21.19 0.73 -4.98	21.07 0.72 -5.35	22.92 0.93 -3.35	23.95 1.06 -1.71	27.30 1.02 -5.83	27.50 1.08 -4.82	27.94 1.12 -4.92	24.50 1.09 -1.62	24.36 1.08 -1.63	23.80 1.04 -1.45	24.68 1.08 -2.36	29.12 1.22 -4.34	32.69 1.26 -7.21	33.32 1.36 -6.29	32.88 1.38 -5.42	26.86 1.45 -0.01	23.92 0.99 -2.36	23.34 0.67 -7.73
HUNTER MOUNT___DRP 323613	22.76 0.56 -7.01	21.46 0.49 -7.79	20.50 0.43 -8.81	19.92 0.39 -9.87	19.86 0.50 -7.47	19.53 0.69 -3.22	20.99 0.68 -4.83	20.85 0.66 -5.19	22.76 0.88 -3.25	23.85 1.02 -1.66	27.12 1.02 -5.66	27.36 1.08 -4.67	27.80 1.12 -4.77	24.43 1.07 -1.57	24.27 1.04 -1.58	23.69 0.98 -1.40	24.57 1.04 -2.28	28.95 1.18 -4.21	32.40 1.19 -7.00	33.06 1.28 -6.10	32.64 1.30 -5.26	26.89 1.47 -0.01	23.75 0.88 -2.29	23.04 0.60 -7.50
HUNTINGTON_RES_REC 323705	23.18 1.84 -6.15	21.58 1.56 -6.84	20.26 1.26 -7.73	19.37 1.04 -8.67	19.68 1.24 -6.56	20.06 1.61 -2.83	21.38 1.66 -4.24	21.12 1.56 -4.56	23.61 2.12 -2.85	29.93 2.43 -6.31	31.70 2.29 -8.96	34.20 2.42 -10.18	32.19 2.47 -7.81	31.20 2.51 -6.90	32.06 2.47 -7.95	31.34 2.45 -7.58	33.32 2.46 -9.62	35.76 2.80 -9.40	38.47 2.93 -11.32	42.63 3.13 -13.83	48.79 3.26 -19.45	34.31 3.10 -5.81	25.62 2.32 -2.72	23.32 1.70 -6.68
HUNTLEY___63 23557	15.83 -0.44 -1.08	14.01 -0.37 -1.20	12.32 -0.30 -1.35	10.91 -0.27 -1.52	12.80 -0.24 -1.15	15.77 -0.34 -0.50	15.77 -0.43 -0.72	15.26 -0.53 -0.78	18.22 -0.91 -0.50	20.31 -1.12 -0.25	20.19 -1.12 -0.87	20.75 -1.08 -0.22	20.92 -1.07 -0.09	20.60 -1.20 0.00	20.46 -1.26 -0.07	20.31 -1.21 -0.22	20.34 -1.25 -0.35	22.84 -1.37 -0.65	23.71 -1.23 -0.73	25.51 -1.13 -0.97	25.65 -1.04 -0.61	24.05 -0.89 0.46	19.56 -1.13 -0.12	15.58 -0.49 -1.13
HUNTLEY___64 23558	15.83 -0.44 -1.08	14.01 -0.37 -1.20	12.32 -0.30 -1.35	10.91 -0.27 -1.52	12.80 -0.24 -1.15	15.77 -0.34 -0.50	15.77 -0.43 -0.72	15.26 -0.53 -0.78	18.22 -0.91 -0.50	20.31 -1.12 -0.25	20.19 -1.12 -0.87	20.75 -1.08 -0.22	20.92 -1.07 -0.09	20.60 -1.20 0.00	20.46 -1.26 -0.07	20.31 -1.21 -0.22	20.34 -1.25 -0.35	22.84 -1.37 -0.65	23.71 -1.23 -0.73	25.51 -1.13 -0.97	25.65 -1.04 -0.61	24.05 -0.89 0.46	19.56 -1.13 -0.12	15.58 -0.49 -1.13
HUNTLEY___65 23559	15.83 -0.44 -1.08	14.01 -0.37 -1.20	12.32 -0.30 -1.35	10.91 -0.27 -1.52	12.80 -0.24 -1.15	15.77 -0.34 -0.50	15.77 -0.43 -0.72	15.26 -0.53 -0.78	18.22 -0.91 -0.50	20.31 -1.12 -0.25	20.19 -1.12 -0.87	20.75 -1.08 -0.22	20.92 -1.07 -0.09	20.60 -1.20 0.00	20.46 -1.26 -0.07	20.31 -1.21 -0.22	20.34 -1.25 -0.35	22.84 -1.37 -0.65	23.71 -1.23 -0.73	25.51 -1.13 -0.97	25.65 -1.04 -0.61	24.05 -0.89 0.46	19.56 -1.13 -0.12	15.58 -0.49 -1.13
HUNTLEY___66 23560	15.83 -0.44 -1.08	14.01 -0.37 -1.20	12.32 -0.30 -1.35	10.91 -0.27 -1.52	12.80 -0.24 -1.15	15.77 -0.34 -0.50	15.77 -0.43 -0.72	15.26 -0.53 -0.78	18.22 -0.91 -0.50	20.31 -1.12 -0.25	20.19 -1.12 -0.87	20.75 -1.08 -0.22	20.92 -1.07 -0.09	20.60 -1.20 0.00	20.46 -1.26 -0.07	20.31 -1.21 -0.22	20.34 -1.25 -0.35	22.84 -1.37 -0.65	23.71 -1.23 -0.73	25.51 -1.13 -0.97	25.65 -1.04 -0.61	24.05 -0.89 0.46	19.56 -1.13 -0.12	15.58 -0.49 -1.13
HUNTLEY___67 23561	15.85 -0.46 -1.12	14.03 -0.40 -1.24	12.34 -0.33 -1.40	10.95 -0.29 -1.57	12.82 -0.26 -1.19	15.77 -0.36 -0.51	15.80 -0.45 -0.77	15.30 -0.53 -0.83	18.26 -0.89 -0.52	20.32 -1.12 -0.26	20.24 -1.10 -0.90	20.52 -1.23 -0.15	20.69 -1.20 0.02	20.60 -1.16 0.04	20.45 -1.23 -0.04	20.34 -1.19 -0.22	20.37 -1.23 -0.36	22.86 -1.37 -0.67	23.61 -1.31 -0.70	25.54 -1.13 -1.00	25.60 -1.07 -0.59	23.79 -1.04 0.56	19.50 -1.15 -0.08	15.63 -0.51 -1.20
HUNTLEY___68 23562	15.85 -0.46 -1.12	14.03 -0.40 -1.24	12.34 -0.33 -1.40	10.95 -0.29 -1.57	12.82 -0.26 -1.19	15.77 -0.36 -0.51	15.80 -0.45 -0.77	15.30 -0.53 -0.83	18.26 -0.89 -0.52	20.32 -1.12 -0.26	20.24 -1.10 -0.90	20.52 -1.23 -0.15	20.69 -1.20 0.02	20.60 -1.16 0.04	20.45 -1.23 -0.04	20.34 -1.19 -0.22	20.37 -1.23 -0.36	22.86 -1.37 -0.67	23.61 -1.31 -0.70	25.54 -1.13 -1.00	25.60 -1.07 -0.59	23.79 -1.04 0.56	19.50 -1.15 -0.08	15.63 -0.51 -1.20
HYLAND___LFG 323620	16.96 0.62 -1.15	15.00 0.54 -1.27	13.16 0.45 -1.44	11.66 0.38 -1.62	13.62 0.51 -1.22	16.82 0.67 -0.53	16.89 0.62 -0.79	16.30 0.45 -0.85	19.22 0.06 -0.53	21.33 -0.13 -0.27	21.31 -0.06 -0.93	26.17 -0.17 -4.74	27.69 -0.18 -5.96	23.76 -0.20 -2.17	23.18 -0.13 -1.66	21.43 -0.11 -0.23	21.66 0.04 -0.37	24.41 0.17 -0.69	28.64 0.51 -3.91	27.80 1.13 -1.00	30.16 1.33 -2.75	30.54 1.19 -3.95	23.35 0.51 -2.26	16.74 0.57 -1.23
INDECK___CORINTH 23802	23.88 0.93 -7.76	22.60 0.79 -8.62	21.68 0.66 -9.75	21.18 0.58 -10.93	20.91 0.75 -8.27	20.20 1.01 -3.57	21.79 0.96 -5.35	21.70 0.95 -5.75	23.56 1.32 -3.60	24.58 1.57 -1.83	28.24 1.53 -6.26	28.32 1.56 -5.16	28.78 1.60 -5.27	25.12 1.59 -1.74	24.95 1.56 -1.75	24.38 1.51 -1.55	25.26 1.49 -2.53	29.89 1.67 -4.67	33.67 1.72 -7.74	34.24 1.82 -6.75	33.66 1.77 -5.81	27.15 1.75 0.00	24.36 1.26 -2.53	24.09 0.85 -8.30
INDECK___ILION 23567	15.27 0.03 -0.05	13.27 0.03 -0.06	11.35 0.02 -0.06	9.75 0.02 -0.07	11.98 0.04 -0.05	15.67 0.03 -0.02	15.56 0.05 -0.03	15.07 0.03 -0.04	18.69 0.04 -0.02	21.23 0.04 -0.01	20.49 0.00 -0.04	21.64 0.00 -0.03	21.96 0.02 -0.03	21.83 0.02 -0.01	21.66 0.00 -0.01	21.32 0.00 -0.01	21.26 0.00 -0.02	23.59 0.00 -0.03	24.29 0.02 -0.05	25.77 0.05 -0.05	26.18 0.05 -0.05	25.48 0.08 -0.01	20.69 0.10 -0.02	15.08 0.09 -0.05
INDECK___OLEAN 23982	16.00 -0.44 -1.25	14.18 -0.40 -1.39	12.51 -0.33 -1.57	11.12 -0.30 -1.76	12.93 -0.29 -1.33	15.80 -0.39 -0.57	15.88 -0.46 -0.86	15.47 -0.45 -0.92	18.48 -0.73 -0.58	20.52 -0.95 -0.29	20.49 -0.96 -1.01	21.04 -1.12 -0.56	21.93 -0.48 -0.50	22.03 0.09 -0.15	20.75 -1.08 -0.19	20.50 -1.06 -0.25	20.57 -1.08 -0.41	23.13 -1.18 -0.75	24.09 -1.19 -1.06	25.88 -0.87 -1.08	26.08 -0.81 -0.81	26.05 0.91 0.26	19.81 -1.05 -0.28	15.75 -0.52 -1.34
INDECK___OSWEGO 23783	15.58 -0.15 -0.54	13.65 -0.13 -0.60	11.83 -0.11 -0.67	10.31 -0.11 -0.76	12.34 -0.12 -0.57	15.69 -0.17 -0.25	15.68 -0.17 -0.37	15.23 -0.16 -0.40	18.64 -0.24 -0.25	21.03 -0.28 -0.13	20.61 -0.27 -0.43	21.66 -0.30 -0.36	21.99 -0.29 -0.36	21.61 -0.31 -0.12	21.44 -0.32 -0.12	21.10 -0.32 -0.11	21.10 -0.32 -0.17	23.53 -0.35 -0.32	24.39 -0.36 -0.54	25.93 -0.31 -0.57	26.33 -0.29 -0.54	25.13 -0.36 -0.09	20.44 -0.31 -0.18	15.34 -0.18 -0.58

INDECK___YERKES 23781	15.81 -0.43 -1.04	13.99 -0.36 -1.16	12.28 -0.29 -1.31	10.86 -0.27 -1.47	12.77 -0.23 -1.11	15.77 -0.33 -0.48	15.75 -0.43 -0.70	15.23 -0.53 -0.76	18.22 -0.89 -0.48	20.32 -1.10 -0.25	20.18 -1.10 -0.84	20.18 -1.10 0.32	20.25 -1.05 0.60	20.36 -1.18 0.25	20.27 -1.26 0.12	20.33 -1.19 -0.21	20.33 -1.25 -0.34	22.81 -1.37 -0.63	23.43 -1.11 -0.33	25.47 -1.10 -0.90	25.33 -1.04 -0.30	23.46 -0.94 1.00	19.30 -1.13 0.14	15.56 -0.48 -1.10
INDIAN POINT_GT_1 24139	22.66 1.35 -6.11	21.12 1.15 -6.79	19.93 0.98 -7.68	19.08 0.81 -8.61	19.38 0.98 -6.51	19.68 1.25 -2.81	20.95 1.25 -4.21	20.76 1.23 -4.53	23.05 1.58 -2.84	24.38 1.76 -1.45	27.07 1.70 -4.93	27.49 1.81 -4.07	27.90 1.84 -4.15	25.04 1.87 -1.37	24.84 1.82 -1.37	24.32 1.79 -1.22	25.04 1.80 -1.99	29.23 2.00 -3.67	32.39 2.08 -6.10	33.22 2.23 -5.31	33.00 2.35 -4.57	27.68 2.29 0.00	24.28 1.69 -2.02	22.80 1.23 -6.64
INDIAN POINT_GT_2 23659	22.66 1.35 -6.11	21.12 1.15 -6.79	19.93 0.98 -7.68	19.08 0.81 -8.61	19.38 0.98 -6.51	19.68 1.25 -2.81	20.95 1.25 -4.21	20.76 1.23 -4.53	23.05 1.58 -2.84	24.38 1.76 -1.45	27.07 1.70 -4.93	27.49 1.81 -4.07	27.90 1.84 -4.15	25.04 1.87 -1.37	24.84 1.82 -1.37	24.32 1.79 -1.22	25.04 1.80 -1.99	29.23 2.00 -3.67	32.39 2.08 -6.10	33.22 2.23 -5.31	33.00 2.35 -4.57	27.68 2.29 0.00	24.28 1.69 -2.02	22.80 1.23 -6.64
INDIAN POINT_GT_3 24019	22.66 1.35 -6.11	21.12 1.15 -6.79	19.93 0.98 -7.68	19.08 0.81 -8.61	19.38 0.98 -6.51	19.68 1.25 -2.81	20.95 1.25 -4.21	20.76 1.23 -4.53	23.05 1.58 -2.84	24.38 1.76 -1.45	27.07 1.70 -4.93	27.49 1.81 -4.07	27.90 1.84 -4.15	25.04 1.87 -1.37	24.84 1.82 -1.37	24.32 1.79 -1.22	25.04 1.80 -1.99	29.23 2.00 -3.67	32.39 2.08 -6.10	33.22 2.23 -5.31	33.00 2.35 -4.57	27.68 2.29 0.00	24.28 1.69 -2.02	22.80 1.23 -6.64
INDIAN POINT___2 23530	22.59 1.32 -6.08	21.07 1.13 -6.75	19.87 0.97 -7.64	19.02 0.80 -8.56	19.33 0.96 -6.47	19.65 1.23 -2.80	20.91 1.24 -4.19	20.72 1.21 -4.50	23.02 1.57 -2.82	24.35 1.74 -1.44	27.03 1.68 -4.90	27.44 1.79 -4.04	27.85 1.82 -4.13	24.98 1.83 -1.36	24.81 1.80 -1.37	24.29 1.77 -1.22	25.01 1.78 -1.98	29.16 1.95 -3.65	32.31 2.03 -6.06	33.16 2.21 -5.28	32.95 2.32 -4.55	27.63 2.24 0.00	24.25 1.67 -2.01	22.74 1.21 -6.60
INDIAN POINT___3 23531	22.65 1.32 -6.14	21.14 1.13 -6.82	19.94 0.96 -7.71	19.10 0.79 -8.65	19.39 0.96 -6.54	19.68 1.23 -2.82	20.93 1.22 -4.23	20.76 1.22 -4.55	23.05 1.57 -2.85	24.37 1.74 -1.45	27.08 1.68 -4.95	27.49 1.79 -4.10	27.91 1.82 -4.18	25.02 1.85 -1.38	24.83 1.80 -1.38	24.31 1.77 -1.23	25.03 1.78 -2.00	29.20 1.96 -3.69	32.38 2.03 -6.13	33.20 2.18 -5.35	33.01 2.32 -4.61	27.65 2.24 -0.02	24.25 1.67 -2.00	22.70 1.20 -6.57
INGHAM_C_115KV_TB7 356103	15.17 -0.08 -0.05	13.18 -0.07 -0.06	11.28 -0.06 -0.06	9.69 -0.05 -0.07	11.88 -0.06 -0.05	15.56 -0.08 -0.02	15.44 -0.08 -0.03	14.95 -0.09 -0.04	18.54 -0.11 -0.02	21.04 -0.15 -0.01	20.30 -0.18 -0.04	21.46 -0.17 -0.03	21.74 -0.20 -0.03	21.63 -0.17 -0.01	21.46 -0.19 -0.01	21.13 -0.19 -0.01	21.05 -0.21 -0.02	23.35 -0.24 -0.03	24.05 -0.22 -0.05	25.54 -0.18 -0.05	25.94 -0.18 -0.05	25.33 -0.08 -0.01	20.63 0.04 -0.02	15.04 0.04 -0.05
IP CORINTH___1 23988	23.96 0.93 -7.84	22.69 0.79 -8.71	21.78 0.66 -9.85	21.28 0.58 -11.04	20.99 0.75 -8.35	20.24 1.02 -3.61	21.84 0.96 -5.40	21.75 0.95 -5.81	23.59 1.32 -3.64	24.60 1.57 -1.85	28.30 1.53 -6.32	28.38 1.56 -5.22	28.84 1.60 -5.33	25.16 1.61 -1.76	24.97 1.56 -1.77	24.39 1.51 -1.57	25.28 1.49 -2.55	29.94 1.67 -4.71	33.76 1.72 -7.82	34.31 1.82 -6.82	33.73 1.77 -5.88	27.16 1.75 -0.01	24.39 1.26 -2.56	24.18 0.85 -8.39
IP___TICONDEROGA 23804	24.51 1.49 -7.82	23.16 1.28 -8.69	22.17 1.07 -9.83	21.62 0.94 -11.02	21.44 1.21 -8.34	20.87 1.66 -3.60	22.51 1.64 -5.39	22.42 1.62 -5.80	24.52 2.25 -3.63	25.74 2.71 -1.85	29.30 2.54 -6.31	29.39 2.57 -5.21	29.88 2.65 -5.33	26.23 2.68 -1.75	26.03 2.62 -1.76	25.39 2.51 -1.57	26.26 2.46 -2.55	31.02 2.76 -4.70	34.83 2.81 -7.81	35.48 3.00 -6.81	34.84 2.89 -5.87	28.31 2.90 -0.01	25.25 2.12 -2.55	24.79 1.48 -8.37
ISLIP_RES_REC 323679	23.26 1.91 -6.15	21.66 1.63 -6.84	20.32 1.32 -7.73	19.42 1.09 -8.67	19.74 1.30 -6.56	20.14 1.69 -2.83	21.45 1.73 -4.24	21.18 1.62 -4.56	23.68 2.20 -2.85	30.01 2.52 -6.31	31.74 2.33 -8.96	34.20 2.42 -10.18	32.21 2.50 -7.81	31.22 2.53 -6.90	32.06 2.47 -7.95	31.36 2.47 -7.58	33.34 2.48 -9.62	35.80 2.85 -9.40	38.54 3.00 -11.32	42.73 3.23 -13.83	48.87 3.34 -19.45	34.38 3.17 -5.81	25.68 2.39 -2.72	23.38 1.76 -6.68
JAMAICA__27_KV_LOAD 355505	22.86 1.50 -6.17	21.31 1.27 -6.85	20.10 1.08 -7.75	19.23 0.88 -8.69	19.52 1.06 -6.57	19.83 1.37 -2.84	21.14 1.41 -4.25	21.00 1.43 -4.57	23.30 1.81 -2.86	24.59 1.95 -1.46	27.22 1.80 -4.98	27.69 1.97 -4.12	28.13 2.02 -4.21	25.18 2.00 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.23 1.98 -2.01	29.46 2.19 -3.71	32.67 2.30 -6.16	33.53 2.49 -5.37	33.32 2.61 -4.63	27.88 2.46 -0.02	24.59 2.00 -2.01	22.97 1.43 -6.60
JANIS___SOLAR 323808	17.71 0.76 -1.76	15.80 0.66 -1.96	14.05 0.56 -2.22	12.61 0.46 -2.48	14.35 0.58 -1.88	17.21 0.78 -0.81	17.52 0.82 -1.21	17.10 0.79 -1.31	20.31 0.86 -0.82	22.40 0.80 -0.42	22.58 0.72 -1.42	23.85 0.80 -1.45	24.34 0.88 -1.55	23.19 0.87 -0.53	22.88 0.74 -0.49	22.39 0.72 -0.35	22.62 0.81 -0.57	25.60 0.99 -1.06	27.32 1.16 -1.95	28.62 1.41 -1.53	28.96 1.43 -1.45	27.14 1.47 -0.27	22.19 0.90 -0.71	17.55 0.72 -1.89
JARVIS____ 23743	15.36 0.06 -0.11	13.35 0.04 -0.12	11.45 0.05 -0.14	9.85 0.03 -0.16	12.06 0.05 -0.12	15.73 0.06 -0.05	15.62 0.06 -0.08	15.14 0.06 -0.08	18.76 0.07 -0.05	21.27 0.06 -0.03	20.60 0.06 -0.09	21.74 0.07 -0.07	22.05 0.07 -0.08	21.88 0.07 -0.02	21.74 0.07 -0.03	21.40 0.06 -0.02	21.34 0.06 -0.04	23.69 0.07 -0.07	24.40 0.07 -0.11	25.87 0.10 -0.10	26.27 0.10 -0.08	25.50 0.10 0.00	20.69 0.08 -0.04	15.12 0.06 -0.12
JENNISON___1 23625	18.54 0.88 -2.47	16.69 0.76 -2.74	15.02 0.65 -3.10	13.69 0.55 -3.47	15.20 0.68 -2.63	17.66 0.91 -1.13	18.13 0.94 -1.70	17.74 0.92 -1.83	20.86 1.08 -1.14	22.89 1.12 -0.58	23.50 1.06 -1.99	24.51 1.21 -1.70	24.99 1.34 -1.75	23.72 1.35 -0.58	23.35 1.13 -0.57	22.89 1.09 -0.49	23.17 1.13 -0.80	26.33 1.30 -1.48	28.12 1.40 -2.50	29.45 1.62 -2.17	29.65 1.67 -1.90	27.22 1.75 -0.07	22.52 1.11 -0.83	18.43 0.85 -2.64
JENNISON___2 23626	18.54 0.88 -2.47	16.69 0.76 -2.74	15.02 0.65 -3.10	13.69 0.55 -3.47	15.20 0.68 -2.63	17.66 0.91 -1.13	18.13 0.94 -1.70	17.74 0.92 -1.83	20.86 1.08 -1.14	22.89 1.12 -0.58	23.50 1.06 -1.99	24.51 1.21 -1.70	24.99 1.34 -1.75	23.72 1.35 -0.58	23.35 1.13 -0.57	22.89 1.09 -0.49	23.17 1.13 -0.80	26.33 1.30 -1.48	28.12 1.40 -2.50	29.45 1.62 -2.17	29.65 1.67 -1.90	27.22 1.75 -0.07	22.52 1.11 -0.83	18.43 0.85 -2.64

JERICO_RISE_WT_PWR 323719	14.08 -1.11 0.00	12.24 -0.95 0.00	10.45 -0.82 0.00	8.96 -0.71 0.00	11.03 -0.86 0.00	14.48 -1.14 0.00	14.38 -1.10 0.00	13.97 -1.03 0.00	17.35 -1.29 0.00	19.87 -1.31 0.00	19.20 -1.25 0.00	20.35 -1.25 0.00	20.59 -1.31 0.00	20.49 -1.31 0.00	20.33 -1.32 0.00	19.95 -1.36 0.00	19.93 -1.32 0.00	22.03 -1.53 0.00	22.57 -1.65 0.00	22.96 -1.82 0.89	22.99 -1.88 1.21	22.78 -1.83 0.79	19.13 -1.44 0.00	13.89 -1.05 0.00
KATONAH__115KV_46KV_TB4 355592	22.80 1.40 -6.21	21.28 1.20 -6.90	20.10 1.03 -7.80	19.25 0.84 -8.75	19.54 1.03 -6.62	19.79 1.31 -2.86	21.06 1.30 -4.28	20.88 1.28 -4.60	23.15 1.64 -2.88	24.47 1.82 -1.47	27.26 1.80 -5.01	27.67 1.92 -4.14	28.13 1.99 -4.23	25.15 1.96 -1.39	24.95 1.90 -1.40	24.43 1.88 -1.24	25.20 1.93 -2.02	29.43 2.14 -3.73	32.64 2.23 -6.20	33.44 2.36 -5.41	33.22 2.48 -4.66	27.80 2.39 -0.02	24.33 1.73 -2.03	22.82 1.24 -6.64
KCE_NY_1 323755	23.88 0.96 -7.73	22.61 0.83 -8.59	21.69 0.70 -9.72	21.17 0.61 -10.90	20.90 0.77 -8.24	20.21 1.03 -3.56	21.83 1.02 -5.33	21.72 0.99 -5.73	23.54 1.32 -3.59	24.58 1.57 -1.83	28.20 1.51 -6.24	28.31 1.56 -5.15	28.76 1.60 -5.26	25.11 1.59 -1.73	24.97 1.58 -1.74	24.39 1.54 -1.55	25.27 1.51 -2.52	29.90 1.70 -4.65	33.65 1.72 -7.71	34.25 1.85 -6.73	33.69 1.82 -5.79	27.20 1.80 0.00	24.45 1.36 -2.52	24.16 0.94 -8.28
KCE_NY_6_ESR 323823	15.89 -0.41 -1.10	14.06 -0.36 -1.23	12.36 -0.29 -1.39	10.96 -0.26 -1.55	12.84 -0.23 -1.18	15.80 -0.33 -0.51	15.84 -0.40 -0.76	15.34 -0.48 -0.82	18.33 -0.82 -0.51	20.42 -1.02 -0.26	20.32 -1.02 -0.89	19.92 -1.19 0.49	20.06 -1.01 0.84	20.60 -0.85 0.34	20.31 -1.15 0.18	20.45 -1.09 -0.22	20.48 -1.13 -0.36	22.99 -1.23 -0.66	23.28 -1.19 -0.25	25.63 -1.00 -0.96	25.38 -0.94 -0.24	23.60 -0.58 1.21	19.26 -1.09 0.22	15.66 -0.46 -1.18
KEDC_PORT_JEFF_GT2 24210	23.20 1.85 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.13 1.57 -4.56	23.63 2.14 -2.85	29.95 2.46 -6.31	31.64 2.23 -8.96	34.09 2.31 -10.18	32.10 2.39 -7.81	31.11 2.42 -6.90	31.96 2.36 -7.95	31.25 2.37 -7.58	33.24 2.38 -9.62	35.69 2.73 -9.40	38.39 2.86 -11.32	42.55 3.05 -13.83	48.71 3.18 -19.45	34.23 3.02 -5.81	25.60 2.30 -2.72	23.32 1.70 -6.68
KEDC_PORT_JEFF_GT3 24211	23.20 1.85 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.13 1.57 -4.56	23.63 2.14 -2.85	29.95 2.46 -6.31	31.64 2.23 -8.96	34.09 2.31 -10.18	32.10 2.39 -7.81	31.11 2.42 -6.90	31.96 2.36 -7.95	31.25 2.37 -7.58	33.24 2.38 -9.62	35.69 2.73 -9.40	38.39 2.86 -11.32	42.55 3.05 -13.83	48.71 3.18 -19.45	34.23 3.02 -5.81	25.60 2.30 -2.72	23.32 1.70 -6.68
KEDC_GLWD_GT4 24219	22.97 1.63 -6.15	21.39 1.37 -6.84	20.15 1.15 -7.73	19.28 0.95 -8.67	19.58 1.13 -6.56	19.92 1.47 -2.83	21.21 1.49 -4.24	21.00 1.44 -4.56	23.39 1.90 -2.85	29.63 2.14 -6.31	31.50 2.09 -8.96	34.01 2.23 -10.18	31.97 2.26 -7.81	30.98 2.29 -6.90	31.83 2.23 -7.95	31.10 2.22 -7.58	33.07 2.21 -9.62	35.41 2.45 -9.40	38.08 2.54 -11.32	42.14 2.64 -13.83	48.32 2.79 -19.45	33.98 2.77 -5.81	25.37 2.08 -2.72	23.11 1.49 -6.68
KEDC_GLWD_GT5 24220	22.97 1.63 -6.15	21.39 1.37 -6.84	20.15 1.15 -7.73	19.28 0.95 -8.67	19.58 1.13 -6.56	19.92 1.47 -2.83	21.21 1.49 -4.24	21.00 1.44 -4.56	23.39 1.90 -2.85	29.63 2.14 -6.31	31.50 2.09 -8.96	34.01 2.23 -10.18	31.97 2.26 -7.81	30.98 2.29 -6.90	31.83 2.23 -7.95	31.10 2.22 -7.58	33.07 2.21 -9.62	35.41 2.45 -9.40	38.08 2.54 -11.32	42.14 2.64 -13.83	48.32 2.79 -19.45	33.98 2.77 -5.81	25.37 2.08 -2.72	23.11 1.49 -6.68
KENSICO____ 23655	22.72 1.37 -6.16	21.20 1.17 -6.84	20.01 1.00 -7.74	19.16 0.82 -8.68	19.44 0.99 -6.56	19.73 1.28 -2.83	21.00 1.27 -4.24	20.82 1.26 -4.56	23.11 1.62 -2.86	24.44 1.80 -1.46	27.16 1.74 -4.97	27.57 1.86 -4.11	28.01 1.91 -4.20	25.09 1.92 -1.38	24.90 1.86 -1.39	24.40 1.85 -1.23	25.10 1.85 -2.01	29.31 2.05 -3.70	32.47 2.11 -6.15	33.32 2.28 -5.36	33.10 2.40 -4.63	27.73 2.31 -0.02	24.32 1.73 -2.01	22.78 1.25 -6.59
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	22.73 1.46 -6.08	21.18 1.24 -6.76	19.96 1.05 -7.64	19.09 0.86 -8.57	19.42 1.05 -6.48	19.76 1.34 -2.80	21.02 1.35 -4.19	20.80 1.29 -4.51	23.09 1.64 -2.82	24.40 1.78 -1.44	26.99 1.64 -4.91	27.39 1.73 -4.06	27.83 1.77 -4.15	24.95 1.79 -1.37	24.75 1.73 -1.37	24.25 1.73 -1.22	25.01 1.78 -1.98	29.21 2.00 -3.66	32.39 2.11 -6.07	33.25 2.28 -5.30	33.10 2.45 -4.57	27.80 2.39 -0.02	24.35 1.79 -1.99	22.75 1.30 -6.51
KIAC_JFK_GT1 23816	22.76 1.41 -6.15	21.22 1.20 -6.83	20.02 1.03 -7.73	19.16 0.83 -8.66	19.44 1.00 -6.55	19.74 1.30 -2.83	21.07 1.35 -4.24	20.91 1.35 -4.56	23.20 1.71 -2.85	24.48 1.84 -1.45	27.13 1.72 -4.96	27.56 1.86 -4.09	27.99 1.90 -4.18	25.09 1.92 -1.38	24.91 1.88 -1.38	24.39 1.85 -1.23	25.12 1.87 -2.00	29.33 2.07 -3.70	32.55 2.20 -6.14	33.38 2.36 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.50 1.89 -2.03	22.98 1.36 -6.68
KIAC_JFK_GT2 23817	22.76 1.41 -6.15	21.22 1.20 -6.83	20.02 1.03 -7.73	19.16 0.83 -8.66	19.44 1.00 -6.55	19.74 1.30 -2.83	21.07 1.35 -4.24	20.91 1.35 -4.56	23.20 1.71 -2.85	24.48 1.84 -1.45	27.13 1.72 -4.96	27.56 1.86 -4.09	27.99 1.90 -4.18	25.09 1.92 -1.38	24.91 1.88 -1.38	24.39 1.85 -1.23	25.12 1.87 -2.00	29.33 2.07 -3.70	32.55 2.20 -6.14	33.38 2.36 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.50 1.89 -2.03	22.98 1.36 -6.68
KIAC_JFK____ 323774	22.76 1.41 -6.15	21.22 1.20 -6.83	20.02 1.03 -7.73	19.16 0.83 -8.66	19.44 1.00 -6.55	19.74 1.30 -2.83	21.07 1.35 -4.24	20.91 1.35 -4.56	23.20 1.71 -2.85	24.48 1.84 -1.45	27.13 1.72 -4.96	27.56 1.86 -4.09	27.99 1.90 -4.18	25.09 1.92 -1.38	24.91 1.88 -1.38	24.39 1.85 -1.23	25.12 1.87 -2.00	29.33 2.07 -3.70	32.55 2.20 -6.14	33.38 2.36 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.50 1.89 -2.03	22.98 1.36 -6.68
KINTIGH____ 23543	15.88 -0.21 -0.90	13.99 -0.20 -1.00	12.24 -0.16 -1.13	10.80 -0.14 -1.27	12.77 -0.08 -0.96	15.91 -0.12 -0.41	15.90 -0.20 -0.62	15.40 -0.27 -0.67	18.51 -0.54 -0.42	20.69 -0.70 -0.21	20.48 -0.70 -0.73	21.15 -0.82 -0.36	21.18 -1.03 -0.30	20.70 -1.18 -0.09	20.97 -0.80 -0.12	20.72 -0.77 -0.18	20.73 -0.81 -0.29	23.22 -0.87 -0.54	24.10 -0.85 -0.73	25.84 -0.64 -0.81	26.11 -0.57 -0.60	24.05 -1.14 0.21	20.02 -0.74 -0.18	15.66 -0.24 -0.96
KNTFSRNC_46_KV_46KV_LOAD 80397	14.20 -1.02 -0.03	12.35 -0.87 -0.03	10.55 -0.75 -0.04	9.05 -0.66 -0.04	11.14 -0.78 -0.03	14.58 -1.05 -0.01	14.51 -0.99 -0.02	14.09 -0.93 -0.02	17.49 -1.16 -0.01	20.04 -1.14 -0.01	19.37 -1.10 -0.02	20.52 -1.10 -0.02	20.79 -1.14 -0.02	20.67 -1.13 -0.01	20.48 -1.17 -0.01	20.08 -1.24 -0.01	20.08 -1.17 -0.01	22.25 -1.32 -0.02	22.79 -1.45 -0.03	23.37 -1.59 0.71	23.46 -1.64 0.98	23.15 -1.60 0.65	19.27 -1.32 -0.01	14.03 -0.94 -0.03

LACHUTE____HYDRO 323717	24.43 1.49 -7.75	23.08 1.28 -8.61	22.08 1.07 -9.74	21.52 0.94 -10.92	21.36 1.21 -8.26	20.84 1.65 -3.57	22.46 1.64 -5.34	22.36 1.62 -5.74	24.48 2.25 -3.60	25.72 2.71 -1.83	29.24 2.53 -6.25	29.33 2.57 -5.16	29.82 2.65 -5.27	26.19 2.66 -1.73	26.01 2.62 -1.74	25.38 2.51 -1.55	26.23 2.46 -2.53	30.97 2.75 -4.66	34.80 2.86 -7.73	35.41 3.00 -6.74	34.77 2.89 -5.80	28.29 2.89 0.00	25.22 2.12 -2.52	24.71 1.48 -8.29
LAWRNCV_115KV_TB1 80681	14.50 -0.76 -0.07	12.61 -0.65 -0.07	10.80 -0.55 -0.08	9.29 -0.46 -0.09	11.37 -0.59 -0.07	14.88 -0.77 -0.03	14.79 -0.74 -0.05	14.33 -0.72 -0.05	17.79 -0.88 -0.03	20.24 -0.95 -0.02	19.52 -0.98 -0.05	20.65 -0.99 -0.04	20.92 -1.03 -0.04	20.74 -1.07 -0.01	20.62 -1.04 -0.01	20.26 -1.07 -0.01	20.24 -1.02 -0.02	22.49 -1.11 -0.04	23.12 -1.16 -0.07	23.25 -1.31 1.12	23.18 -1.36 1.54	23.07 -1.30 1.03	19.65 -0.95 -0.02	14.31 -0.70 -0.07
LEDERLE____ 23769	22.65 1.40 -6.06	21.11 1.19 -6.73	19.90 1.01 -7.61	19.04 0.84 -8.54	19.36 1.01 -6.46	19.70 1.30 -2.79	20.94 1.29 -4.17	20.77 1.28 -4.49	23.10 1.66 -2.81	24.43 1.82 -1.43	27.10 1.76 -4.89	27.53 1.88 -4.04	27.97 1.93 -4.13	25.09 1.94 -1.36	24.90 1.88 -1.37	24.38 1.85 -1.21	25.09 1.87 -1.98	29.25 2.05 -3.64	32.37 2.11 -6.05	33.26 2.31 -5.28	33.08 2.45 -4.55	27.78 2.36 -0.02	24.32 1.77 -1.98	22.69 1.27 -6.49
LIGHTHSE_115KV_TB6 355974	15.56 -0.11 -0.47	13.62 -0.09 -0.52	11.77 -0.09 -0.59	10.25 -0.08 -0.66	12.30 -0.10 -0.50	15.69 -0.14 -0.22	15.64 -0.17 -0.32	15.14 -0.21 -0.35	18.53 -0.32 -0.22	20.93 -0.36 -0.11	20.52 -0.31 -0.38	21.61 -0.30 -0.31	21.92 -0.31 -0.32	21.55 -0.35 -0.11	21.41 -0.35 -0.11	21.02 -0.38 -0.09	21.01 -0.38 -0.15	23.46 -0.38 -0.28	24.37 -0.31 -0.47	26.15 -0.15 -0.63	26.60 -0.13 -0.65	25.39 -0.20 -0.20	20.50 -0.23 -0.15	15.31 -0.13 -0.50
LINDEN COGEN____ 23786	22.76 1.41 -6.15	21.23 1.21 -6.83	20.01 1.01 -7.73	19.15 0.82 -8.66	19.42 0.98 -6.55	19.71 1.26 -2.83	20.99 1.27 -4.24	20.85 1.29 -4.56	23.13 1.64 -2.85	24.41 1.78 -1.45	27.11 1.70 -4.96	27.53 1.84 -4.09	27.95 1.86 -4.18	25.06 1.90 -1.38	24.89 1.86 -1.38	24.37 1.83 -1.23	25.09 1.85 -2.00	29.28 2.03 -3.70	32.53 2.18 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.42 1.81 -2.03	22.95 1.33 -6.68
LINDHRST_69_KV_BK1 356055	23.26 1.90 -6.17	21.64 1.60 -6.85	20.33 1.31 -7.75	19.44 1.08 -8.69	19.75 1.28 -6.57	20.13 1.67 -2.84	21.44 1.70 -4.25	21.19 1.62 -4.57	23.68 2.18 -2.86	30.00 2.50 -6.32	31.76 2.33 -8.98	34.27 2.46 -10.20	32.26 2.52 -7.83	31.25 2.55 -6.91	32.07 2.47 -7.96	31.36 2.47 -7.58	33.33 2.46 -9.62	35.79 2.83 -9.41	38.52 2.95 -11.35	42.68 3.16 -13.85	48.84 3.29 -19.48	34.38 3.15 -5.83	25.70 2.43 -2.70	23.30 1.76 -6.60
LIPA_MISC_IPP 23656	23.12 1.76 -6.17	21.56 1.52 -6.85	20.24 1.22 -7.75	19.36 1.01 -8.69	19.65 1.19 -6.57	20.00 1.55 -2.84	21.31 1.58 -4.25	21.07 1.50 -4.57	23.54 2.05 -2.86	29.83 2.33 -6.32	31.45 2.02 -8.98	33.90 2.10 -10.20	31.91 2.17 -7.83	30.90 2.20 -6.91	31.73 2.12 -7.96	31.04 2.15 -7.58	33.01 2.15 -9.62	35.44 2.47 -9.41	38.15 2.59 -11.35	42.35 2.82 -13.85	48.48 2.92 -19.48	34.00 2.77 -5.83	25.41 2.14 -2.70	23.14 1.60 -6.60
LISF____SOLAR 323691	23.14 1.79 -6.15	21.55 1.53 -6.84	20.23 1.23 -7.73	19.34 1.01 -8.67	19.65 1.20 -6.56	20.01 1.56 -2.83	21.33 1.61 -4.24	21.07 1.51 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.44 2.02 -8.96	33.88 2.09 -10.18	31.86 2.15 -7.81	30.87 2.18 -6.90	31.72 2.12 -7.95	31.04 2.15 -7.58	33.00 2.14 -9.62	35.43 2.47 -9.40	38.13 2.59 -11.32	42.32 2.82 -13.83	48.45 2.92 -19.45	33.98 2.77 -5.81	25.45 2.16 -2.72	23.25 1.63 -6.68
LITTLE FALLS____HYD 24013	15.17 -0.08 -0.05	13.18 -0.07 -0.06	11.28 -0.06 -0.07	9.69 -0.05 -0.07	11.88 -0.06 -0.05	15.56 -0.08 -0.02	15.44 -0.08 -0.03	14.95 -0.09 -0.04	18.54 -0.11 -0.02	21.04 -0.15 -0.01	20.30 -0.18 -0.04	21.46 -0.17 -0.03	21.74 -0.20 -0.03	21.63 -0.17 -0.01	21.46 -0.19 -0.01	21.13 -0.19 -0.01	21.05 -0.21 -0.02	23.35 -0.24 -0.03	24.05 -0.22 -0.05	25.54 -0.18 -0.05	25.94 -0.18 -0.05	25.33 -0.08 -0.01	20.63 0.04 -0.02	15.04 0.04 -0.05
LITTLRIV_115KV_TB1 356100	14.61 -0.65 -0.07	12.71 -0.55 -0.08	10.89 -0.46 -0.09	9.37 -0.40 -0.10	11.47 -0.50 -0.07	14.99 -0.66 -0.03	14.91 -0.62 -0.05	14.44 -0.62 -0.05	17.92 -0.75 -0.03	20.39 -0.80 -0.02	19.62 -0.88 -0.06	20.79 -0.86 -0.05	21.05 -0.90 -0.05	20.87 -0.94 -0.02	20.73 -0.93 -0.02	20.39 -0.94 -0.01	20.37 -0.89 -0.02	22.66 -0.94 -0.04	23.29 -0.99 -0.07	23.40 -1.10 1.16	23.32 -1.15 1.61	23.22 -1.09 1.08	19.84 -0.76 1.08	14.43 -0.58 -0.07
LI_NEWBRDGE____DRP 323616	23.03 1.67 -6.17	21.45 1.41 -6.85	20.17 1.15 -7.75	19.31 0.96 -8.69	19.59 1.13 -6.57	19.92 1.47 -2.84	21.23 1.50 -4.25	21.01 1.44 -4.57	23.43 1.94 -2.86	29.70 2.20 -6.32	31.49 2.07 -8.98	33.99 2.18 -10.20	31.97 2.23 -7.83	30.97 2.27 -6.91	31.81 2.21 -7.96	31.09 2.19 -7.58	33.05 2.19 -9.62	35.44 2.47 -9.41	38.13 2.57 -11.35	42.27 2.75 -13.85	48.42 2.87 -19.48	34.00 2.77 -5.83	25.39 2.12 -2.70	23.08 1.54 -6.60
LOCKPORT_115KV_TB60_63_64 80432	15.71 -0.50 -1.02	13.88 -0.44 -1.13	12.19 -0.36 -1.28	10.79 -0.31 -1.44	12.69 -0.29 -1.09	15.68 -0.41 -0.47	15.70 -0.48 -0.70	15.17 -0.59 -0.75	18.14 -0.97 -0.47	20.21 -1.21 -0.24	20.08 -1.19 -0.82	20.74 -1.14 -0.28	20.91 -1.18 -0.19	20.63 -1.20 -0.04	20.41 -1.32 -0.09	20.24 -1.28 -0.20	20.24 -1.34 -0.33	22.71 -1.46 -0.61	23.79 -1.16 -0.74	25.38 -1.21 -0.92	25.57 -1.12 -0.61	23.92 -1.12 0.36	19.61 -1.11 0.14	15.50 -0.52 -1.09
LOCKPORT____CC1 323769	15.71 -0.49 -1.01	13.88 -0.42 -1.12	12.18 -0.35 -1.26	10.77 -0.31 -1.42	12.68 -0.29 -1.07	15.69 -0.39 -0.46	15.69 -0.48 -0.69	15.17 -0.57 -0.74	18.15 -0.95 -0.47	20.23 -1.19 -0.24	20.07 -1.19 -0.81	20.12 -1.21 0.27	20.17 -1.20 0.53	20.37 -1.20 0.23	20.22 -1.32 0.11	20.23 -1.28 -0.20	20.25 -1.32 -0.33	22.72 -1.44 -0.60	23.35 -1.21 -0.35	25.34 -1.21 -0.87	25.26 -1.12 -0.30	23.38 -1.09 0.92	19.32 -1.13 0.12	15.49 -0.52 -1.08
LOCKPORT____CC2 323770	15.71 -0.49 -1.01	13.88 -0.42 -1.12	12.18 -0.35 -1.26	10.77 -0.31 -1.42	12.68 -0.29 -1.07	15.69 -0.39 -0.46	15.69 -0.48 -0.69	15.17 -0.57 -0.74	18.15 -0.95 -0.47	20.23 -1.19 -0.24	20.07 -1.19 -0.81	20.12 -1.21 0.27	20.17 -1.20 0.53	20.37 -1.20 0.23	20.22 -1.32 0.11	20.23 -1.28 -0.20	20.25 -1.32 -0.33	22.72 -1.44 -0.60	23.35 -1.21 -0.35	25.34 -1.21 -0.87	25.26 -1.12 -0.30	23.38 -1.09 0.92	19.32 -1.13 0.12	15.49 -0.52 -1.08
LOCKPORT____CC3 323771	15.71 -0.49 -1.01	13.88 -0.42 -1.12	12.18 -0.35 -1.26	10.77 -0.31 -1.42	12.68 -0.29 -1.07	15.69 -0.39 -0.46	15.69 -0.48 -0.69	15.17 -0.57 -0.74	18.15 -0.95 -0.47	20.23 -1.19 -0.24	20.07 -1.19 -0.81	20.12 -1.21 0.27	20.17 -1.20 0.53	20.37 -1.20 0.23	20.22 -1.32 0.11	20.23 -1.28 -0.20	20.25 -1.32 -0.33	22.72 -1.44 -0.60	23.35 -1.21 -0.35	25.34 -1.21 -0.87	25.26 -1.12 -0.30	23.38 -1.09 0.92	19.32 -1.13 0.12	15.49 -0.52 -1.08

LONG_LAKE_PHOENIX 24014	15.62 -0.09 -0.52	13.69 -0.08 -0.58	11.85 -0.08 -0.66	10.32 -0.08 -0.74	12.36 -0.08 -0.56	15.75 -0.11 -0.24	15.72 -0.12 -0.36	15.28 -0.11 -0.39	18.71 -0.17 -0.24	21.11 -0.19 -0.12	20.70 -0.16 -0.42	21.76 -0.19 -0.35	22.06 -0.20 -0.35	21.71 -0.20 -0.12	21.55 -0.22 -0.12	21.20 -0.21 -0.10	21.18 -0.23 -0.17	23.61 -0.26 -0.31	24.49 -0.24 -0.52	25.96 -0.21 -0.50	26.34 -0.18 -0.45	25.18 -0.25 -0.04	20.50 -0.25 -0.17	15.36 -0.13 -0.56
LOVETT___3 23632	22.58 1.32 -6.07	21.05 1.12 -6.74	19.85 0.96 -7.63	19.00 0.79 -8.55	19.31 0.95 -6.47	19.64 1.23 -2.79	20.89 1.22 -4.18	20.70 1.20 -4.50	23.01 1.57 -2.82	24.33 1.72 -1.43	27.00 1.66 -4.90	27.42 1.77 -4.05	27.86 1.82 -4.14	24.99 1.83 -1.36	24.79 1.78 -1.37	24.29 1.77 -1.21	24.98 1.76 -1.98	29.14 1.93 -3.65	32.28 2.01 -6.06	33.14 2.18 -5.28	32.93 2.29 -4.56	27.63 2.21 -0.02	24.22 1.67 -1.98	22.63 1.20 -6.49
LOVETT___4 23642	22.58 1.32 -6.07	21.05 1.12 -6.74	19.85 0.96 -7.63	19.00 0.79 -8.55	19.31 0.95 -6.47	19.64 1.23 -2.79	20.89 1.22 -4.18	20.70 1.20 -4.50	23.01 1.57 -2.82	24.33 1.72 -1.43	27.00 1.66 -4.90	27.42 1.77 -4.05	27.86 1.82 -4.14	24.99 1.83 -1.36	24.79 1.78 -1.37	24.29 1.77 -1.21	24.98 1.76 -1.98	29.14 1.93 -3.65	32.28 2.01 -6.06	33.14 2.18 -5.28	32.93 2.29 -4.56	27.63 2.21 -0.02	24.22 1.67 -1.98	22.63 1.20 -6.49
LOVETT___5 23593	22.58 1.32 -6.07	21.05 1.12 -6.74	19.85 0.96 -7.63	19.00 0.79 -8.55	19.31 0.95 -6.47	19.64 1.23 -2.79	20.89 1.22 -4.18	20.70 1.20 -4.50	23.01 1.57 -2.82	24.33 1.72 -1.43	27.00 1.66 -4.90	27.42 1.77 -4.05	27.86 1.82 -4.14	24.99 1.83 -1.36	24.79 1.78 -1.37	24.29 1.77 -1.21	24.98 1.76 -1.98	29.14 1.93 -3.65	32.28 2.01 -6.06	33.14 2.18 -5.28	32.93 2.29 -4.56	27.63 2.21 -0.02	24.22 1.67 -1.98	22.63 1.20 -6.49
LOWER RAQUET___HYD 24057	14.30 -0.90 0.00	12.42 -0.77 0.00	10.63 -0.64 0.00	9.11 -0.55 0.00	11.20 -0.69 0.00	14.71 -0.91 0.00	14.62 -0.87 0.00	14.15 -0.85 0.00	17.59 -1.04 0.00	20.04 -1.14 0.00	19.28 -1.16 0.00	20.44 -1.17 0.00	20.70 -1.20 0.00	20.55 -1.24 0.00	20.41 -1.23 0.00	20.05 -1.26 0.00	20.05 -1.19 0.00	22.26 -1.30 0.00	22.86 -1.36 0.00	22.78 -1.51 1.37	22.65 -1.56 1.87	22.69 -1.50 1.21	19.46 -1.11 0.00	14.12 -0.82 0.00
LOWER___HUDSON 24059	23.57 0.80 -7.58	22.30 0.70 -8.42	21.39 0.60 -9.52	20.85 0.51 -10.67	20.62 0.65 -8.07	19.96 0.86 -3.49	21.55 0.85 -5.22	21.42 0.81 -5.61	23.25 1.10 -3.52	24.24 1.27 -1.79	27.77 1.21 -6.11	27.90 1.25 -5.04	28.32 1.27 -5.15	24.77 1.29 -1.70	24.61 1.26 -1.70	24.06 1.24 -1.52	24.94 1.23 -2.47	29.48 1.37 -4.55	33.17 1.40 -7.56	33.77 1.51 -6.59	33.26 1.51 -5.67	26.90 1.50 0.00	24.17 1.13 -2.47	23.82 0.78 -8.11
LOWVILLE_115KV_TB2 356335	15.19 -0.24 -0.24	13.26 -0.20 -0.27	11.40 -0.17 -0.30	9.86 -0.14 -0.34	11.97 -0.18 -0.26	15.49 -0.23 -0.11	15.42 -0.23 -0.17	14.89 -0.29 -0.18	18.33 -0.41 -0.11	20.73 -0.51 -0.06	20.15 -0.49 -0.19	21.27 -0.50 -0.16	21.57 -0.50 -0.17	21.30 -0.54 -0.06	21.10 -0.61 -0.06	20.74 -0.62 -0.05	20.79 -0.53 -0.08	23.23 -0.47 -0.14	24.12 -0.34 -0.24	26.27 -0.26 -0.86	26.88 -0.26 -1.06	25.67 -0.30 -0.57	20.39 -0.27 -0.08	14.99 -0.21 -0.26
LUTHERFT_115KV_GLOB_FND_222 355753	23.96 0.96 -7.81	22.68 0.82 -8.67	21.78 0.70 -9.81	21.26 0.60 -11.00	20.98 0.77 -8.32	20.24 1.03 -3.59	21.87 1.01 -5.38	21.76 0.98 -5.78	23.58 1.32 -3.62	24.57 1.55 -1.85	28.24 1.49 -6.30	28.34 1.53 -5.20	28.80 1.58 -5.31	25.13 1.59 -1.75	24.96 1.56 -1.76	24.39 1.51 -1.56	25.30 1.51 -2.54	29.92 1.67 -4.69	33.70 1.70 -7.79	34.29 1.82 -6.79	33.76 1.83 -5.85	27.19 1.78 -0.01	24.46 1.34 -2.55	24.22 0.93 -8.36
LUTHERNY_35_KV_BK2 355980	23.96 0.96 -7.81	22.69 0.83 -8.67	21.78 0.70 -9.81	21.27 0.61 -11.00	20.98 0.77 -8.32	20.24 1.03 -3.59	21.88 1.02 -5.38	21.77 0.99 -5.78	23.58 1.32 -3.62	24.59 1.57 -1.85	28.26 1.51 -6.30	28.36 1.56 -5.20	28.82 1.60 -5.31	25.13 1.59 -1.75	24.99 1.58 -1.76	24.41 1.53 -1.56	25.30 1.51 -2.54	29.95 1.70 -4.69	33.73 1.72 -7.79	34.31 1.85 -6.79	33.76 1.83 -5.85	27.21 1.80 -0.01	24.48 1.36 -2.55	24.23 0.94 -8.36
LWR___OSWEGATCHIE_HYD 23850	14.52 -0.81 -0.14	12.65 -0.69 -0.15	10.87 -0.57 -0.17	9.37 -0.49 -0.19	11.42 -0.62 -0.15	14.87 -0.81 -0.06	14.79 -0.79 -0.09	14.31 -0.80 -0.10	17.69 -1.01 -0.06	20.07 -1.14 -0.03	19.45 -1.10 -0.11	20.57 -1.12 -0.09	20.84 -1.16 -0.09	20.63 -1.20 -0.03	20.49 -1.19 -0.03	20.12 -1.21 -0.03	20.14 -1.15 -0.04	22.44 -1.20 -0.08	23.14 -1.21 -0.14	22.49 -1.26 1.93	22.10 -1.30 2.68	22.32 -1.27 1.81	19.61 -1.01 -0.04	14.34 -0.75 -0.15
LYONS_FALL_HYD 23570	15.39 -0.06 -0.26	13.44 -0.04 -0.29	11.56 -0.03 -0.33	10.00 -0.03 -0.37	12.13 -0.04 -0.28	15.69 -0.05 -0.12	15.63 -0.03 -0.18	15.13 -0.06 -0.19	18.62 -0.13 -0.12	21.05 -0.19 -0.06	20.45 -0.20 -0.21	21.58 -0.19 -0.17	21.91 -0.18 -0.18	21.63 -0.22 -0.06	21.45 -0.26 -0.06	21.09 -0.28 -0.05	21.12 -0.21 -0.09	23.55 -0.16 -0.16	24.40 -0.07 -0.26	26.35 0.03 -0.65	26.85 0.00 -0.77	25.75 -0.03 -0.37	20.64 -0.02 -0.09	15.19 -0.03 -0.28
MADISON___COUNTY_LFGE 323628	15.92 0.33 -0.39	13.92 0.29 -0.44	12.01 0.25 -0.50	10.43 0.21 -0.56	12.57 0.26 -0.42	16.16 0.36 -0.18	16.13 0.37 -0.27	15.64 0.35 -0.29	19.19 0.37 -0.18	21.65 0.38 -0.09	21.07 0.31 -0.32	22.24 0.37 -0.27	22.62 0.44 -0.28	22.30 0.41 -0.09	22.11 0.37 -0.09	21.73 0.34 -0.08	21.75 0.38 -0.13	24.24 0.45 -0.24	25.17 0.56 -0.40	26.76 0.64 -0.45	27.14 0.63 -0.44	26.11 0.61 -0.10	21.14 0.43 -0.13	15.70 0.34 -0.42
MALONE___115KV_TB1 356076	14.28 -0.96 -0.04	12.42 -0.82 -0.05	10.61 -0.71 -0.05	9.11 -0.61 -0.06	11.19 -0.75 -0.04	14.65 -0.98 -0.02	14.58 -0.93 -0.03	14.15 -0.89 -0.03	17.55 -1.10 -0.02	20.09 -1.10 -0.01	19.40 -1.08 -0.03	20.53 -1.10 -0.03	20.79 -1.14 -0.03	20.67 -1.13 -0.01	20.51 -1.15 -0.01	20.10 -1.21 -0.01	20.11 -1.15 -0.01	22.29 -1.30 -0.02	22.85 -1.40 -0.04	23.26 -1.57 0.85	23.29 -1.62 1.17	23.04 -1.57 0.78	19.33 -1.26 -0.01	14.09 -0.90 -0.04
MAPLEWOD_115KV_TB3 80458	23.53 0.82 -7.52	22.25 0.71 -8.35	21.33 0.61 -9.45	20.79 0.53 -10.59	20.57 0.67 -8.01	19.97 0.89 -3.46	21.54 0.88 -5.18	21.41 0.84 -5.57	23.24 1.12 -3.49	24.25 1.29 -1.78	27.76 1.25 -6.07	27.89 1.27 -5.01	28.34 1.31 -5.12	24.81 1.33 -1.69	24.64 1.30 -1.69	24.09 1.28 -1.50	24.97 1.27 -2.45	29.51 1.44 -4.52	33.17 1.45 -7.50	33.81 1.59 -6.54	33.31 1.59 -5.64	26.96 1.55 -0.01	24.22 1.19 -2.45	23.81 0.82 -8.05
MAPLE RIDGE_WT_1 323574	14.31 -0.88 0.00	12.44 -0.75 0.00	10.63 -0.64 0.00	9.12 -0.54 0.00	11.21 -0.68 0.00	14.74 -0.87 0.00	14.62 -0.87 0.00	14.18 -0.83 0.00	17.61 -1.02 0.00	20.04 -1.14 0.00	19.32 -1.12 0.00	20.44 -1.17 0.00	20.72 -1.18 0.00	20.62 -1.18 0.00	20.52 -1.13 0.00	20.20 -1.11 0.00	20.14 -1.11 0.00	22.33 -1.23 0.00	22.95 -1.26 0.00	23.96 -1.36 0.35	24.28 -1.33 0.47	23.82 -1.27 0.31	19.61 -0.97 0.00	14.22 -0.72 0.00

MAPLE_RIDGE_WT_2 323611	14.31 -0.88 0.00	12.44 -0.75 0.00	10.63 -0.64 0.00	9.12 -0.54 0.00	11.21 -0.68 0.00	14.74 -0.87 0.00	14.62 -0.87 0.00	14.18 -0.83 0.00	17.61 -1.02 0.00	20.04 -1.14 0.00	19.32 -1.12 0.00	20.44 -1.17 0.00	20.72 -1.18 0.00	20.62 -1.18 0.00	20.52 -1.13 0.00	20.20 -1.11 0.00	20.14 -1.11 0.00	22.33 -1.23 0.00	22.95 -1.26 0.00	23.96 -1.36 0.35	24.28 -1.33 0.47	23.82 -1.27 0.31	19.61 -0.97 0.00	14.22 -0.72 0.00
MARBLE_RIVER_WT_PWR 323696	14.07 -1.12 0.00	12.21 -0.98 0.00	10.43 -0.83 0.00	8.94 -0.72 0.00	11.01 -0.88 0.00	14.45 -1.17 0.00	14.37 -1.11 0.00	13.95 -1.05 0.00	17.33 -1.30 0.00	19.85 -1.33 0.00	19.18 -1.27 0.00	20.33 -1.27 0.00	20.57 -1.34 0.00	20.46 -1.33 0.00	20.30 -1.34 0.00	19.90 -1.41 0.00	19.88 -1.36 0.00	22.00 -1.56 0.00	22.54 -1.67 0.00	23.01 -1.82 0.84	23.04 -1.90 1.14	22.80 -1.85 0.74	19.09 -1.48 0.00	13.86 -1.08 0.00
MARSHVLE_115KV_TB1 80742	25.34 0.90 -9.25	24.23 0.76 -10.28	23.52 0.63 -11.62	23.24 0.54 -13.03	22.44 0.69 -9.86	20.81 0.94 -4.26	22.78 0.93 -6.37	22.74 0.89 -6.85	24.04 1.12 -4.29	24.64 1.27 -2.19	29.16 1.25 -7.46	29.11 1.34 -6.17	29.59 1.38 -6.30	25.22 1.35 -2.08	25.01 1.28 -2.08	24.42 1.26 -1.85	25.55 1.30 -3.02	30.70 1.58 -5.56	35.17 1.72 -9.23	35.60 1.87 -8.05	34.92 1.90 -6.94	27.42 2.01 -0.02	24.95 1.36 -3.02	25.79 0.96 -9.90
MARSH_HILL_WT_PWR 323713	16.75 0.20 -1.36	14.86 0.16 -1.51	13.10 0.12 -1.71	11.66 0.08 -1.92	13.51 0.17 -1.45	16.46 0.22 -0.63	16.57 0.15 -0.94	16.14 0.13 -1.01	19.24 -0.02 -0.63	21.40 -0.11 -0.32	21.36 -0.18 -1.10	26.14 -0.26 -4.80	27.81 -0.09 -6.00	24.03 0.07 -2.18	23.11 -0.22 -1.68	21.41 -0.17 -0.27	21.52 -0.17 -0.44	24.23 -0.14 -0.82	28.21 -0.07 -4.07	27.03 0.18 -1.18	29.13 0.18 -2.87	29.72 0.46 -3.87	22.52 -0.35 -2.29	16.34 -0.06 -1.46
MCINTYRE_115KV_TB2 80467	14.82 -0.44 -0.06	12.90 -0.36 -0.07	11.04 -0.30 -0.08	9.49 -0.26 -0.09	11.62 -0.33 -0.07	15.22 -0.42 -0.03	15.12 -0.40 -0.04	14.64 -0.41 -0.05	18.18 -0.48 -0.03	20.67 -0.53 -0.01	19.90 -0.59 -0.05	21.08 -0.56 -0.04	21.34 -0.61 -0.04	21.18 -0.63 -0.01	21.03 -0.63 -0.01	20.66 -0.66 -0.01	20.67 -0.59 -0.02	22.98 -0.61 -0.04	23.67 -0.61 -0.06	23.89 -0.69 1.09	23.81 -0.76 1.51	23.70 -0.69 1.01	20.12 -0.47 -0.02	14.63 -0.37 -0.07
MECO____69_KV_BK1 80468	25.41 1.40 -8.82	24.17 1.19 -9.80	23.34 0.99 -11.08	22.94 0.85 -12.42	22.38 1.09 -9.40	21.17 1.50 -4.06	23.06 1.50 -6.07	22.94 1.41 -6.53	24.46 1.73 -4.09	25.24 1.97 -2.09	29.14 1.57 -7.12	29.15 1.66 -5.88	29.60 1.69 -6.00	25.43 1.66 -1.98	25.24 1.60 -1.99	24.67 1.60 -1.77	25.86 1.74 -2.87	31.02 2.17 -5.30	35.37 2.35 -8.80	35.91 2.57 -7.68	35.27 2.58 -6.61	28.06 2.64 -0.02	25.61 2.16 -2.88	25.88 1.51 -9.44
MENANDS__115KV_TB5 355628	23.32 0.61 -7.52	22.07 0.53 -8.35	21.18 0.46 -9.45	20.67 0.42 -10.59	20.42 0.52 -8.01	19.78 0.70 -3.46	21.33 0.67 -5.18	21.23 0.66 -5.57	23.00 0.88 -3.49	23.95 1.00 -1.78	27.47 0.96 -6.07	27.63 1.02 -5.01	28.08 1.05 -5.12	24.53 1.05 -1.69	24.38 1.04 -1.69	23.82 1.00 -1.50	24.69 1.00 -2.45	29.18 1.11 -4.52	32.81 1.09 -7.50	33.42 1.21 -6.54	32.92 1.20 -5.64	26.61 1.19 -0.01	23.93 0.91 -2.45	23.60 0.61 -8.05
MG INDUSTRY__DRP 24185	23.08 0.62 -7.26	21.80 0.54 -8.07	20.87 0.47 -9.13	20.32 0.43 -10.23	20.16 0.54 -7.74	19.68 0.72 -3.34	21.18 0.70 -5.00	21.06 0.68 -5.38	22.90 0.89 -3.37	23.91 1.02 -1.72	27.27 0.96 -5.86	27.46 1.02 -4.84	27.90 1.05 -4.95	24.47 1.05 -1.63	24.30 1.02 -1.64	23.74 0.98 -1.45	24.59 0.98 -2.37	29.01 1.08 -4.37	32.55 1.09 -7.25	33.17 1.18 -6.32	32.70 1.17 -5.45	26.61 1.19 -0.01	23.87 0.93 -2.37	23.35 0.64 -7.77
MID__OSWEGATCHIE_HYD 23849	14.52 -0.81 -0.14	12.65 -0.69 -0.15	10.87 -0.57 -0.17	9.37 -0.49 -0.19	11.42 -0.62 -0.15	14.87 -0.81 -0.06	14.79 -0.79 -0.09	14.31 -0.80 -0.10	17.69 -1.01 -0.06	20.07 -1.14 -0.03	19.45 -1.10 -0.11	20.57 -1.12 -0.09	20.84 -1.16 -0.09	20.63 -1.20 -0.03	20.49 -1.19 -0.03	20.12 -1.21 -0.03	20.14 -1.15 -0.04	22.44 -1.20 -0.08	23.14 -1.21 -0.14	22.49 -1.26 1.93	22.10 -1.30 2.68	22.32 -1.27 1.81	19.61 -1.01 -0.04	14.34 -0.75 -0.15
MID__RAQUETTE_HYD 23851	14.37 -0.90 -0.07	12.50 -0.76 -0.08	10.72 -0.64 -0.09	9.22 -0.55 -0.10	11.28 -0.69 -0.08	14.75 -0.91 -0.03	14.67 -0.87 -0.05	14.20 -0.86 -0.05	17.62 -1.04 -0.03	20.05 -1.14 -0.02	19.34 -1.17 -0.06	20.46 -1.19 -0.05	20.73 -1.23 -0.05	20.57 -1.24 -0.02	20.43 -1.23 -0.02	20.07 -1.26 -0.01	20.08 -1.19 -0.02	22.30 -1.30 -0.04	22.93 -1.36 -0.07	22.95 -1.51 1.21	22.84 -1.56 1.68	22.77 -1.50 1.12	19.49 -1.11 -0.02	14.20 -0.82 -0.08
MILLIKEN__1 23584	17.08 0.50 -1.39	15.18 0.45 -1.54	13.39 0.37 -1.74	11.91 0.29 -1.96	13.74 0.37 -1.48	16.76 0.50 -0.64	16.95 0.51 -0.96	16.55 0.53 -1.03	19.84 0.56 -0.64	22.08 0.57 -0.33	22.08 0.51 -1.12	23.20 0.54 -1.06	23.61 0.59 -1.11	22.78 0.61 -0.37	22.53 0.52 -0.36	22.12 0.53 -0.28	22.25 0.55 -0.45	25.03 0.64 -0.83	26.42 0.73 -1.48	27.81 0.90 -1.24	28.14 0.91 -1.15	26.47 0.91 -0.16	21.63 0.53 -0.51	16.87 0.45 -1.49
MILLIKEN__2 23585	17.08 0.50 -1.39	15.18 0.45 -1.54	13.39 0.37 -1.74	11.91 0.29 -1.96	13.74 0.37 -1.48	16.76 0.50 -0.64	16.95 0.51 -0.96	16.55 0.53 -1.03	19.84 0.56 -0.64	22.08 0.57 -0.33	22.08 0.51 -1.12	23.20 0.54 -1.06	23.61 0.59 -1.11	22.78 0.61 -0.37	22.53 0.52 -0.36	22.12 0.53 -0.28	22.25 0.55 -0.45	25.03 0.64 -0.83	26.42 0.73 -1.48	27.81 0.90 -1.24	28.14 0.91 -1.15	26.47 0.91 -0.16	21.63 0.53 -0.51	16.87 0.45 -1.49
MILLIKEN__DIESEL 23629	17.08 0.50 -1.39	15.18 0.45 -1.54	13.39 0.37 -1.74	11.91 0.29 -1.96	13.74 0.37 -1.48	16.76 0.50 -0.64	16.95 0.51 -0.96	16.55 0.53 -1.03	19.84 0.56 -0.64	22.08 0.57 -0.33	22.08 0.51 -1.12	23.20 0.54 -1.06	23.61 0.59 -1.11	22.78 0.61 -0.37	22.53 0.52 -0.36	22.12 0.53 -0.28	22.25 0.55 -0.45	25.03 0.64 -0.83	26.42 0.73 -1.48	27.81 0.90 -1.24	28.14 0.91 -1.15	26.47 0.91 -0.16	21.63 0.53 -0.51	16.87 0.45 -1.49
MILLSEAT__LFGE 323607	16.12 -0.02 -0.94	14.23 0.00 -1.05	12.45 0.00 -1.18	11.00 0.01 -1.33	12.98 0.08 -1.00	16.14 0.09 -0.43	16.14 0.02 -0.65	15.62 -0.07 -0.70	18.73 -0.33 -0.44	20.94 -0.47 -0.22	20.70 -0.51 -0.76	21.11 -0.50 -0.01	21.25 -0.50 0.16	21.16 -0.54 0.09	21.08 -0.56 0.01	20.97 -0.53 -0.19	20.98 -0.57 -0.31	23.58 -0.54 -0.57	24.43 -0.29 -0.51	26.34 -0.15 -0.82	26.44 -0.05 -0.41	24.64 -0.15 0.61	20.26 -0.33 -0.01	15.95 0.00 -1.01
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	22.68 1.34 -6.15	21.17 1.15 -6.84	19.98 0.98 -7.73	19.14 0.81 -8.67	19.42 0.98 -6.56	19.70 1.25 -2.83	20.96 1.24 -4.24	20.79 1.23 -4.56	23.09 1.60 -2.85	24.39 1.76 -1.45	27.11 1.70 -4.96	27.52 1.81 -4.10	27.96 1.86 -4.19	25.05 1.87 -1.38	24.85 1.82 -1.39	24.35 1.81 -1.23	25.05 1.81 -2.01	29.26 2.00 -3.70	32.44 2.08 -6.14	33.26 2.23 -5.36	33.05 2.35 -4.62	27.68 2.26 -0.02	24.27 1.69 -2.01	22.75 1.22 -6.58

MILLWOOD_13_KV_LOAD 356217	22.73 1.38 -6.15	21.20 1.17 -6.84	20.00 1.00 -7.73	19.16 0.83 -8.67	19.44 1.00 -6.56	19.73 1.28 -2.83	20.99 1.27 -4.24	20.82 1.26 -4.56	23.11 1.62 -2.85	24.41 1.78 -1.45	27.15 1.74 -4.96	27.57 1.86 -4.10	28.01 1.91 -4.19	25.09 1.92 -1.38	24.90 1.86 -1.39	24.37 1.83 -1.23	25.12 1.87 -2.01	29.33 2.07 -3.70	32.49 2.13 -6.14	33.34 2.31 -5.36	33.12 2.43 -4.62	27.75 2.34 -0.02	24.29 1.71 -2.01	22.76 1.24 -6.58
MODEL_CITY_ENERGY 24167	15.57 -0.64 -1.02	13.76 -0.55 -1.13	12.08 -0.46 -1.28	10.70 -0.40 -1.43	12.58 -0.39 -1.08	15.55 -0.53 -0.47	15.55 -0.64 -0.70	15.05 -0.70 -0.75	17.97 -1.14 -0.47	20.02 -1.40 -0.24	19.90 -1.37 -0.82	20.06 -1.30 0.25	20.11 -1.31 0.48	20.27 -1.31 0.21	20.01 -1.54 0.10	20.04 -1.47 -0.20	20.04 -1.53 -0.33	22.50 -1.67 -0.61	23.28 -1.31 -0.37	25.09 -1.46 -0.88	25.02 -1.38 -0.32	23.26 -1.24 0.89	19.21 -1.26 0.11	15.37 -0.66 -1.09
MODERN_LFGE_ 323580	15.57 -0.64 -1.02	13.76 -0.55 -1.13	12.08 -0.46 -1.28	10.70 -0.40 -1.43	12.58 -0.39 -1.08	15.55 -0.53 -0.47	15.55 -0.64 -0.70	15.05 -0.70 -0.75	17.97 -1.14 -0.47	20.02 -1.40 -0.24	19.90 -1.37 -0.82	20.06 -1.30 0.25	20.11 -1.31 0.48	20.27 -1.31 0.21	20.01 -1.54 0.10	20.04 -1.47 -0.20	20.04 -1.53 -0.33	22.50 -1.67 -0.61	23.28 -1.31 -0.37	25.09 -1.46 -0.88	25.02 -1.38 -0.32	23.26 -1.24 0.89	19.21 -1.26 0.11	15.37 -0.66 -1.09
MOHAWK_PAPER___DRP 24187	23.53 0.82 -7.52	22.25 0.71 -8.35	21.33 0.61 -9.45	20.79 0.53 -10.59	20.57 0.67 -8.01	19.97 0.89 -3.46	21.54 0.88 -5.18	21.41 0.84 -5.57	23.24 1.12 -3.49	24.25 1.29 -1.78	27.76 1.25 -6.07	27.89 1.27 -5.01	28.34 1.31 -5.12	24.81 1.33 -1.69	24.64 1.30 -1.69	24.09 1.28 -1.50	24.97 1.27 -2.45	29.51 1.44 -4.52	33.17 1.45 -7.50	33.81 1.59 -6.54	33.31 1.59 -5.64	26.96 1.55 -0.01	24.22 1.19 -2.45	23.81 0.82 -8.05
MOHICAN__35_KV_115KV_LD 80490	24.01 1.00 -7.82	22.73 0.86 -8.69	21.81 0.72 -9.82	21.30 0.63 -11.01	21.03 0.81 -8.33	20.31 1.09 -3.60	21.92 1.05 -5.38	21.83 1.04 -5.79	23.69 1.43 -3.63	24.74 1.72 -1.85	28.41 1.66 -6.31	28.50 1.69 -5.21	28.96 1.73 -5.32	25.27 1.72 -1.75	25.10 1.69 -1.76	24.52 1.64 -1.56	25.41 1.61 -2.55	30.09 1.84 -4.70	33.88 1.86 -7.80	34.48 2.00 -6.80	33.90 1.96 -5.86	27.32 1.90 -0.01	24.52 1.40 -2.55	24.26 0.96 -8.37
MONGAUP___HYD 23641	22.31 1.25 -5.87	20.78 1.07 -6.52	19.55 0.90 -7.38	18.68 0.74 -8.27	19.05 0.90 -6.26	19.49 1.17 -2.70	20.70 1.18 -4.05	20.46 1.11 -4.35	22.76 1.40 -2.72	24.07 1.50 -1.39	26.60 1.41 -4.74	27.02 1.51 -3.91	27.45 1.56 -3.99	24.63 1.53 -1.31	24.46 1.49 -1.32	23.96 1.47 -1.18	24.69 1.53 -1.91	28.78 1.70 -3.53	31.74 1.67 -5.86	32.60 1.82 -5.11	32.43 1.96 -4.39	27.53 2.13 0.00	24.08 1.56 -1.94	22.43 1.12 -6.37
MONTAUK___DIESEL 23721	23.60 2.23 -6.17	21.94 1.90 -6.85	20.56 1.54 -7.75	19.63 1.28 -8.69	19.99 1.52 -6.57	20.44 1.98 -2.84	21.78 2.04 -4.25	21.51 1.94 -4.57	24.18 2.68 -2.86	30.57 3.07 -6.32	32.19 2.76 -8.98	34.72 2.92 -10.20	32.67 2.94 -7.83	31.65 2.94 -6.91	32.44 2.84 -7.96	31.70 2.81 -7.58	33.73 2.87 -9.62	36.33 3.37 -9.41	39.10 3.54 -11.35	43.30 3.77 -13.85	49.49 3.94 -19.48	34.96 3.73 -5.83	26.05 2.78 -2.70	23.59 2.05 -6.60
MOONROAD_115KV_HARTFLD_TB1-2 355988	15.87 -0.53 -1.21	14.05 -0.49 -1.35	12.33 -0.46 -1.52	10.95 -0.43 -1.71	12.78 -0.40 -1.29	15.66 -0.52 -0.56	15.79 -0.53 -0.83	15.33 -0.57 -0.90	18.34 -0.86 -0.56	20.47 -1.00 -0.29	20.51 -0.92 -0.98	20.89 -1.08 -0.37	21.39 -0.77 -0.25	21.35 -0.50 -0.06	20.72 -1.04 -0.12	20.70 -0.85 -0.24	20.87 -0.76 -0.40	23.41 -0.87 -0.73	24.22 -0.90 -0.90	25.98 -0.77 -1.08	26.03 -0.78 -0.74	24.71 -0.28 0.41	19.57 -1.19 -0.19	15.62 -0.61 -1.30
MORTIMER_115KV_TB3 55949	16.15 0.14 -0.82	14.22 0.12 -0.92	12.40 0.10 -1.04	10.92 0.10 -1.16	12.93 0.17 -0.88	16.20 0.20 -0.38	16.21 0.15 -0.57	15.73 0.12 -0.61	19.00 -0.02 -0.38	21.33 -0.04 -0.19	21.07 -0.04 -0.66	21.98 -0.13 -0.51	22.15 -0.26 -0.51	21.59 -0.37 -0.16	21.77 -0.04 -0.17	21.43 -0.04 -0.16	21.43 -0.08 -0.27	24.00 -0.05 -0.50	24.96 -0.05 -0.79	26.60 0.18 -0.75	26.98 0.26 -0.64	25.16 -0.23 0.01	20.74 -0.08 -0.25	15.95 0.13 -0.88
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.80 1.44 -6.17	21.27 1.23 -6.85	20.07 1.05 -7.75	19.21 0.86 -8.69	19.50 1.03 -6.57	19.78 1.33 -2.84	21.06 1.33 -4.25	20.89 1.32 -4.57	23.19 1.70 -2.86	24.50 1.86 -1.46	27.20 1.78 -4.98	27.64 1.92 -4.12	28.08 1.97 -4.21	25.18 2.00 -1.39	24.99 1.95 -1.39	24.46 1.92 -1.23	25.19 1.93 -2.01	29.38 2.12 -3.71	32.60 2.23 -6.16	33.43 2.39 -5.37	33.21 2.50 -4.63	27.83 2.41 -0.02	24.42 1.83 -2.01	22.87 1.33 -6.60
MUNSVILLE_WIND_PWR 323609	18.26 1.06 -2.01	16.34 0.92 -2.23	14.58 0.79 -2.52	13.17 0.68 -2.83	14.86 0.83 -2.14	17.67 1.13 -0.92	18.06 1.19 -1.38	17.61 1.13 -1.49	20.85 1.28 -0.93	22.93 1.27 -0.47	23.23 1.16 -1.62	24.49 1.34 -1.55	25.01 1.47 -1.64	23.78 1.44 -0.55	23.38 1.21 -0.53	22.88 1.17 -0.40	23.15 1.25 -0.65	26.25 1.48 -1.21	28.03 1.67 -2.15	29.37 1.95 -1.75	29.72 2.04 -1.60	27.69 2.08 -0.21	22.73 1.40 -0.76	18.15 1.06 -2.15
N SALMON___HYD 24042	14.24 -0.96 0.00	12.37 -0.82 0.00	10.56 -0.71 0.00	9.06 -0.61 0.00	11.14 -0.75 0.00	14.63 -0.98 0.00	14.55 -0.93 0.00	14.12 -0.89 0.00	17.53 -1.10 0.00	20.08 -1.10 0.00	19.36 -1.08 0.00	20.52 -1.08 0.00	20.77 -1.14 0.00	20.66 -1.13 0.00	20.50 -1.15 0.00	20.10 -1.21 0.00	20.10 -1.15 0.00	22.26 -1.30 0.00	22.81 -1.41 0.00	23.09 -1.57 1.01	23.09 -1.62 1.37	22.93 -1.57 0.89	19.32 -1.26 0.00	14.04 -0.90 0.00
N.AKRON__115KV_KNAPP 355671	15.98 -0.20 -0.98	14.11 -0.17 -1.09	12.37 -0.14 -1.23	10.93 -0.12 -1.38	12.88 -0.06 -1.05	15.98 -0.09 -0.45	15.99 -0.17 -0.67	15.45 -0.27 -0.72	18.51 -0.58 -0.46	20.65 -0.76 -0.23	20.46 -0.78 -0.79	21.17 -0.76 -0.32	21.37 -0.79 -0.25	21.03 -0.83 -0.06	20.89 -0.87 -0.10	20.68 -0.83 -0.20	20.69 -0.87 -0.32	23.23 -0.92 -0.59	24.33 -0.63 -0.75	25.96 -0.59 -0.88	26.23 -0.47 -0.62	24.55 -0.56 0.29	20.10 -0.64 -0.16	15.78 -0.21 -1.05
N.BELMOR_69_KV_BK1 55787	23.12 1.76 -6.17	21.52 1.48 -6.85	20.24 1.22 -7.75	19.36 1.01 -8.69	19.67 1.20 -6.57	20.00 1.55 -2.84	21.31 1.58 -4.25	21.09 1.52 -4.57	23.53 2.03 -2.86	29.81 2.31 -6.32	31.63 2.21 -8.98	34.14 2.33 -10.20	32.12 2.39 -7.83	31.12 2.42 -6.91	31.96 2.36 -7.96	31.21 2.32 -7.58	33.18 2.32 -9.62	35.58 2.61 -9.41	38.28 2.71 -11.35	42.42 2.90 -13.85	48.61 3.05 -19.48	34.15 2.92 -5.83	25.54 2.26 -2.70	23.17 1.63 -6.60
N.E._GEN_SANDY PD 24062	23.00 0.99 -6.82	21.62 0.86 -7.58	20.58 0.74 -8.57	19.90 0.63 -9.61	19.93 0.77 -7.27	19.77 1.01 -3.14	21.19 1.01 -4.70	21.00 0.95 -5.05	23.07 1.27 -3.16	24.21 1.42 -1.61	27.30 1.35 -5.50	27.57 1.43 -4.54	27.99 1.45 -4.64	24.78 1.46 -1.53	24.61 1.43 -1.53	24.10 1.43 -1.37	24.85 1.38 -2.22	29.19 1.53 -4.10	32.59 1.57 -6.80	33.30 1.69 -5.93	32.93 1.75 -5.10	27.10 1.70 0.00	24.11 1.30 -2.24	23.17 0.88 -7.35

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	22.59 1.34 -6.06	21.07 1.15 -6.74	19.87 0.98 -7.62	19.01 0.80 -8.54	19.33 0.98 -6.46	19.66 1.25 -2.79	20.90 1.24 -4.18	20.72 1.23 -4.49	23.03 1.58 -2.81	24.37 1.76 -1.43	27.04 1.70 -4.89	27.46 1.81 -4.05	27.88 1.84 -4.13	25.03 1.87 -1.36	24.83 1.82 -1.37	24.31 1.79 -1.21	25.03 1.81 -1.98	29.18 1.98 -3.65	32.30 2.03 -6.06	33.16 2.21 -5.28	32.98 2.35 -4.55	27.68 2.26 -0.02	24.24 1.69 -1.98	22.65 1.22 -6.49
N.QUEENS_27_KV_LOAD 356247	22.92 1.55 -6.18	21.33 1.29 -6.85	20.12 1.10 -7.75	19.29 0.94 -8.69	19.58 1.12 -6.57	19.83 1.37 -2.84	21.00 1.27 -4.25	20.82 1.25 -4.57	23.12 1.62 -2.86	24.40 1.76 -1.46	27.10 1.68 -4.98	27.53 1.81 -4.12	27.95 1.84 -4.21	25.07 1.90 -1.39	24.90 1.86 -1.39	24.40 1.85 -1.23	25.08 1.83 -2.01	29.27 2.00 -3.71	32.46 2.08 -6.16	33.25 2.21 -5.37	33.06 2.35 -4.63	27.65 2.24 -0.02	24.34 1.75 -2.01	22.90 1.36 -6.60
N.TROY___115KV_TB1 355778	23.61 0.81 -7.61	22.35 0.70 -8.46	21.43 0.60 -9.57	20.90 0.51 -10.73	20.66 0.65 -8.11	19.98 0.86 -3.50	21.58 0.85 -5.24	21.45 0.81 -5.64	23.26 1.10 -3.53	24.25 1.27 -1.80	27.80 1.21 -6.14	27.93 1.25 -5.08	28.36 1.27 -5.18	24.79 1.29 -1.71	24.62 1.26 -1.72	24.07 1.24 -1.52	24.96 1.23 -2.48	29.50 1.37 -4.58	33.19 1.38 -7.60	33.81 1.51 -6.63	33.30 1.51 -5.71	26.88 1.47 -0.01	24.19 1.13 -2.48	23.86 0.78 -8.15
NARROWS_GT1_1 24228	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_2 24229	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_3 24230	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_4 24231	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_5 24232	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_6 24233	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_7 24234	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT1_8 24235	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_1 24236	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_2 24237	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_3 24238	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_4 24239	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69

NARROWS_GT2_5 24240	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_6 24241	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_7 24242	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NARROWS_GT2_8 24243	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	22.76 0.56 -7.01	21.46 0.49 -7.79	20.50 0.43 -8.81	19.92 0.39 -9.87	19.86 0.50 -7.47	19.53 0.69 -3.22	20.99 0.68 -4.83	20.85 0.66 -5.19	22.76 0.88 -3.25	23.85 1.02 -1.66	27.12 1.02 -5.66	27.36 1.08 -4.67	27.80 1.12 -4.77	24.43 1.07 -1.57	24.27 1.04 -1.58	23.69 0.98 -1.40	24.57 1.04 -2.28	28.95 1.18 -4.21	32.40 1.19 -7.00	33.06 1.28 -6.10	32.64 1.30 -5.26	26.89 1.47 -0.01	23.75 0.88 -2.29	23.04 0.60 -7.50
NCHELSEA_115KV_TR2 355582	22.73 1.37 -6.17	21.21 1.17 -6.85	20.02 1.00 -7.75	19.18 0.83 -8.68	19.47 1.01 -6.57	19.75 1.30 -2.84	21.02 1.29 -4.25	20.81 1.25 -4.57	23.11 1.62 -2.86	24.44 1.80 -1.46	27.18 1.76 -4.98	27.60 1.88 -4.11	28.06 1.95 -4.20	25.12 1.94 -1.38	24.92 1.88 -1.39	24.38 1.83 -1.23	25.12 1.87 -2.01	29.31 2.05 -3.71	32.48 2.11 -6.16	33.30 2.26 -5.37	33.11 2.40 -4.63	27.75 2.34 -0.02	24.28 1.69 -2.01	22.76 1.22 -6.60
NEG CAPITAL___MECHNVIL 23645	23.84 0.96 -7.69	22.56 0.83 -8.54	21.63 0.70 -9.66	21.10 0.61 -10.83	20.85 0.77 -8.19	20.18 1.03 -3.54	21.80 1.02 -5.29	21.68 0.99 -5.69	23.52 1.32 -3.57	24.57 1.57 -1.82	28.16 1.51 -6.20	28.28 1.56 -5.12	28.73 1.60 -5.22	25.13 1.61 -1.72	24.96 1.58 -1.73	24.38 1.54 -1.54	25.28 1.53 -2.51	29.87 1.70 -4.62	33.63 1.74 -7.67	34.23 1.87 -6.68	33.68 1.85 -5.75	27.20 1.80 0.00	24.44 1.36 -2.50	24.11 0.94 -8.23
NEG CENTRAL_HIGH_ACRES 23767	16.18 0.18 -0.81	14.24 0.16 -0.90	12.42 0.14 -1.01	10.91 0.11 -1.14	12.92 0.17 -0.86	16.21 0.22 -0.37	16.24 0.20 -0.56	15.78 0.18 -0.60	19.12 0.11 -0.37	21.50 0.13 -0.19	21.20 0.10 -0.65	22.14 0.00 -0.54	22.41 -0.04 -0.55	21.87 -0.11 -0.18	21.92 0.09 -0.18	21.58 0.11 -0.16	21.57 0.06 -0.26	24.14 0.09 -0.48	25.09 0.07 -0.80	26.63 0.26 -0.70	27.00 0.31 -0.60	25.30 -0.10 0.00	20.84 0.00 -0.26	15.97 0.16 -0.87
NEG CENTRAL___DRP 24199	16.33 0.27 -0.87	14.39 0.24 -0.96	12.55 0.19 -1.09	11.03 0.14 -1.22	13.02 0.20 -0.92	16.30 0.28 -0.40	16.36 0.28 -0.60	15.93 0.29 -0.64	19.30 0.26 -0.40	21.66 0.28 -0.21	21.39 0.25 -0.70	22.56 0.22 -0.74	22.97 0.26 -0.80	22.35 0.28 -0.27	22.14 0.24 -0.25	21.74 0.26 -0.17	21.78 0.25 -0.28	24.36 0.28 -0.52	25.51 0.31 -0.98	26.92 0.46 -0.79	27.35 0.50 -0.77	26.05 0.46 -0.19	21.10 0.16 -0.36	16.07 0.21 -0.93
NEG CENTRAL___INDECK 23768	16.84 0.50 -1.15	14.88 0.42 -1.28	13.06 0.35 -1.44	11.58 0.30 -1.62	13.53 0.42 -1.22	16.69 0.55 -0.53	16.77 0.50 -0.79	16.26 0.41 -0.85	19.35 0.19 -0.53	21.56 0.11 -0.27	21.46 0.08 -0.93	26.36 0.00 -4.76	27.89 0.00 -5.98	23.97 0.00 -2.18	23.36 0.04 -1.67	21.63 0.09 -0.23	21.72 0.11 -0.37	24.43 0.19 -0.69	28.51 0.36 -3.93	27.44 0.77 -1.00	29.72 0.89 -2.76	30.12 0.76 -3.97	23.16 0.31 -2.27	16.59 0.42 -1.23
NEG CENTRAL___SENECA 23627	16.53 0.38 -0.95	14.58 0.33 -1.06	12.74 0.27 -1.20	11.21 0.20 -1.34	13.20 0.30 -1.02	16.45 0.39 -0.44	16.53 0.39 -0.66	16.10 0.39 -0.71	19.43 0.35 -0.44	21.79 0.38 -0.23	21.52 0.31 -0.77	22.76 0.26 -0.90	23.21 0.31 -0.99	22.48 0.35 -0.34	22.24 0.28 -0.31	21.80 0.30 -0.19	21.85 0.30 -0.31	24.46 0.33 -0.57	25.74 0.39 -1.14	27.10 0.56 -0.86	27.56 0.60 -0.88	26.27 0.58 -0.29	21.22 0.21 -0.44	16.24 0.28 -1.02
NEG CENTRAL___STATE_STREET 24147	16.28 0.24 -0.85	14.38 0.25 -0.94	12.54 0.21 -1.06	10.98 0.13 -1.19	12.98 0.19 -0.90	16.27 0.27 -0.39	16.36 0.29 -0.58	15.93 0.30 -0.63	19.38 0.35 -0.39	21.78 0.40 -0.20	21.70 0.57 -0.68	22.83 0.60 -0.63	23.20 0.64 -0.66	22.64 0.63 -0.22	22.44 0.58 -0.21	22.08 0.60 -0.17	22.11 0.59 -0.28	24.65 0.59 -0.51	25.73 0.63 -0.89	27.19 0.74 -0.77	27.52 0.73 -0.71	26.18 0.69 -0.10	21.15 0.27 -0.31	16.10 0.25 -0.90
NEG MILLWOOD___DRP 24198	22.82 1.43 -6.20	21.30 1.23 -6.89	20.12 1.06 -7.79	19.27 0.87 -8.74	19.56 1.06 -6.61	19.81 1.34 -2.85	21.09 1.33 -4.27	20.89 1.29 -4.59	23.19 1.68 -2.88	24.51 1.86 -1.47	27.31 1.86 -5.00	27.71 1.97 -4.14	28.17 2.04 -4.23	25.19 2.00 -1.39	24.99 1.95 -1.40	24.47 1.92 -1.24	25.24 1.98 -2.02	29.50 2.21 -3.73	32.68 2.28 -6.19	33.48 2.41 -5.40	33.26 2.53 -4.66	27.88 2.46 -0.02	24.35 1.75 -2.03	22.83 1.25 -6.64
NEG NORTH_FLCN_SEA 23793	14.19 -1.03 -0.03	12.34 -0.88 -0.03	10.54 -0.77 -0.04	9.05 -0.66 -0.04	11.12 -0.80 -0.03	14.57 -1.06 -0.01	14.50 -1.01 -0.02	14.08 -0.95 -0.02	17.47 -1.17 -0.01	20.02 -1.16 -0.01	19.37 -1.10 -0.02	20.52 -1.10 -0.02	20.76 -1.16 -0.02	20.67 -1.13 -0.01	20.48 -1.17 -0.01	20.08 -1.24 -0.01	20.08 -1.17 -0.01	22.21 -1.37 -0.02	22.77 -1.48 -0.03	23.34 -1.62 0.71	23.41 -1.70 0.98	23.12 -1.63 0.65	19.27 -1.32 -0.01	14.01 -0.96 -0.03
NEG NORTH_KES_CHATEGAY 23792	14.16 -1.06 -0.03	12.31 -0.91 -0.03	10.52 -0.79 -0.04	9.02 -0.69 -0.04	11.09 -0.83 -0.03	14.52 -1.11 -0.01	14.45 -1.05 -0.02	14.02 -1.01 -0.02	17.38 -1.27 -0.01	19.90 -1.29 -0.01	19.22 -1.25 -0.02	20.37 -1.25 -0.02	20.61 -1.31 -0.02	20.51 -1.29 -0.01	20.36 -1.30 -0.01	19.97 -1.34 -0.01	19.96 -1.30 -0.01	22.09 -1.48 -0.02	22.65 -1.60 -0.03	23.20 -1.75 0.72	23.26 -1.83 1.00	22.98 -1.75 0.66	19.19 -1.40 -0.01	13.95 -1.02 -0.03

NEG NORTH___ALICE_FALLS 23915	14.20 -1.02 -0.03	12.35 -0.87 -0.03	10.55 -0.75 -0.04	9.05 -0.66 -0.04	11.14 -0.78 -0.03	14.58 -1.05 -0.01	14.51 -0.99 -0.02	14.09 -0.93 -0.02	17.49 -1.16 -0.01	20.04 -1.14 -0.01	19.37 -1.10 -0.02	20.52 -1.10 -0.02	20.79 -1.14 -0.02	20.67 -1.13 -0.01	20.48 -1.17 -0.01	20.08 -1.24 -0.01	20.08 -1.17 -0.01	22.25 -1.32 -0.02	22.79 -1.45 -0.03	23.37 -1.59 0.71	23.46 -1.64 0.98	23.15 -1.60 0.65	19.27 -1.32 -0.01	14.03 -0.94 -0.03
NEG NORTH___LWR_SARANAC 23913	14.20 -1.02 -0.03	12.35 -0.87 -0.03	10.55 -0.75 -0.04	9.05 -0.66 -0.04	11.14 -0.78 -0.03	14.58 -1.05 -0.01	14.51 -0.99 -0.02	14.09 -0.93 -0.02	17.49 -1.16 -0.01	20.04 -1.14 -0.01	19.37 -1.10 -0.02	20.52 -1.10 -0.02	20.79 -1.14 -0.02	20.67 -1.13 -0.01	20.48 -1.17 -0.01	20.08 -1.24 -0.01	20.08 -1.17 -0.01	22.25 -1.32 -0.02	22.79 -1.45 -0.03	23.37 -1.59 0.71	23.46 -1.64 0.98	23.15 -1.60 0.65	19.27 -1.32 -0.01	14.03 -0.94 -0.03
NEG NORTH___PLATTSBURG 23628	14.17 -1.02 0.00	12.32 -0.87 0.00	10.51 -0.75 0.00	9.01 -0.66 0.00	11.11 -0.79 0.00	14.57 -1.05 0.00	14.49 -0.99 0.00	14.07 -0.93 0.00	17.48 -1.16 0.00	20.04 -1.14 0.00	19.34 -1.10 0.00	20.50 -1.10 0.00	20.77 -1.14 0.00	20.66 -1.13 0.00	20.48 -1.17 0.00	20.07 -1.24 0.00	20.07 -1.17 0.00	22.24 -1.32 0.00	22.76 -1.45 0.00	23.23 -1.59 0.85	23.28 -1.64 1.16	23.05 -1.60 0.75	19.26 -1.32 0.00	14.00 -0.94 0.00
NEG WEST_LEA_LOCKPORT 23791	15.73 -0.49 -1.02	13.90 -0.42 -1.14	12.20 -0.35 -1.28	10.79 -0.31 -1.44	12.69 -0.29 -1.09	15.70 -0.39 -0.47	15.70 -0.48 -0.70	15.18 -0.57 -0.75	18.16 -0.95 -0.47	20.24 -1.19 -0.24	20.09 -1.19 -0.82	20.69 -1.19 -0.27	20.86 -1.23 -0.18	20.61 -1.22 -0.03	20.41 -1.32 -0.09	20.24 -1.28 -0.20	20.26 -1.32 -0.33	22.73 -1.44 -0.61	23.74 -1.21 -0.74	25.38 -1.21 -0.92	25.57 -1.12 -0.61	23.89 -1.14 0.37	19.58 -1.13 -0.14	15.50 -0.52 -1.09
NEG WEST___LANCASTR 23811	15.72 -0.70 -1.23	13.94 -0.61 -1.36	12.30 -0.51 -1.54	10.94 -0.45 -1.73	12.73 -0.46 -1.31	15.56 -0.62 -0.56	15.63 -0.70 -0.84	15.17 -0.74 -0.91	18.10 -1.10 -0.57	20.11 -1.36 -0.29	20.09 -1.35 -0.99	20.46 -1.51 -0.37	21.50 -0.66 -0.25	21.90 0.04 -0.06	20.31 -1.45 -0.12	20.11 -1.45 -0.25	20.16 -1.49 -0.40	22.69 -1.60 -0.74	23.55 -1.57 -0.91	25.38 -1.39 -1.10	25.49 -1.33 -0.74	25.52 0.53 0.42	19.36 -1.40 -0.19	15.50 -0.75 -1.31
NEG_PENN_ALLEGHNY 23528	17.64 0.35 -2.10	15.82 0.30 -2.33	14.15 0.25 -2.63	12.82 0.20 -2.95	14.39 0.26 -2.23	16.93 0.34 -0.96	17.25 0.33 -1.44	16.90 0.35 -1.55	19.98 0.37 -0.97	22.06 0.38 -0.50	22.49 0.35 -1.69	23.34 0.44 -1.40	23.77 0.52 -1.42	22.78 0.35 -0.47	22.46 0.36 -0.47	22.09 0.36 -0.42	22.27 0.34 -0.68	25.19 0.38 -1.26	26.72 0.41 -2.09	28.06 0.56 -1.82	28.27 0.62 -1.57	26.19 0.79 0.00	21.55 0.29 -0.69	17.47 0.28 -2.25
NEG___GEN_MONROE 24207	16.13 0.09 -0.85	14.25 0.12 -0.94	12.43 0.10 -1.06	10.96 0.11 -1.19	12.98 0.19 -0.90	16.27 0.27 -0.39	16.27 0.20 -0.58	15.76 0.14 -0.63	18.93 -0.09 -0.39	21.19 -0.19 -0.20	20.97 -0.16 -0.68	21.85 -0.24 -0.48	22.03 -0.35 -0.47	21.51 -0.44 -0.15	21.61 -0.19 -0.16	21.27 -0.21 -0.17	21.26 -0.25 -0.28	23.83 -0.24 -0.51	24.83 -0.17 -0.79	26.49 0.05 -0.77	26.84 0.13 -0.64	25.09 -0.25 0.05	20.71 -0.10 -0.24	15.98 0.13 -0.91
NEPA___ENERGY 23901	15.94 -0.41 -1.16	14.12 -0.36 -1.29	12.43 -0.30 -1.46	11.01 -0.29 -1.64	12.88 -0.25 -1.24	15.82 -0.33 -0.53	15.90 -0.39 -0.80	15.41 -0.45 -0.86	18.43 -0.75 -0.54	20.54 -0.91 -0.27	20.53 -0.86 -0.94	20.78 -1.02 -0.20	21.16 -0.79 -0.04	21.19 -0.59 0.02	20.73 -0.97 -0.06	20.65 -0.90 -0.23	20.71 -0.91 -0.38	23.24 -1.01 -0.70	24.00 -0.97 -0.76	25.92 -0.80 -1.04	25.96 -0.76 -0.63	24.44 -0.41 0.55	19.61 -1.07 -0.10	15.70 -0.48 -1.24
NEVERSink___HYD 23608	22.55 1.49 -5.87	20.97 1.27 -6.52	19.73 1.08 -7.38	18.82 0.89 -8.27	19.22 1.07 -6.26	19.69 1.37 -2.70	20.92 1.39 -4.04	20.67 1.32 -4.35	23.01 1.66 -2.72	24.41 1.84 -1.39	26.82 1.64 -4.74	27.26 1.75 -3.91	27.69 1.80 -3.99	24.89 1.79 -1.31	24.70 1.73 -1.32	24.17 1.68 -1.17	24.88 1.72 -1.91	29.02 1.93 -3.53	32.13 2.06 -5.85	33.01 2.23 -5.10	32.84 2.37 -4.39	27.71 2.31 0.00	24.30 1.79 -1.93	22.58 1.30 -6.34
NEWKRMKL_115KV_TB1 55635	23.21 0.53 -7.49	21.97 0.46 -8.32	21.10 0.42 -9.41	20.59 0.38 -10.55	20.35 0.48 -7.98	19.70 0.64 -3.45	21.25 0.60 -5.16	21.15 0.60 -5.55	22.91 0.80 -3.48	23.86 0.91 -1.77	27.35 0.86 -6.04	27.53 0.93 -4.99	27.95 0.94 -5.10	24.41 0.94 -1.68	24.27 0.93 -1.69	23.71 0.90 -1.50	24.58 0.89 -2.44	29.05 0.99 -4.50	32.66 0.97 -7.48	33.27 1.08 -6.52	32.77 1.07 -5.62	26.48 1.07 -0.01	23.82 0.80 -2.44	23.51 0.55 -8.02
NEWTON___FALLS_HYD 23847	14.52 -0.81 -0.14	12.65 -0.69 -0.15	10.87 -0.57 -0.17	9.37 -0.49 -0.19	11.42 -0.62 -0.15	14.87 -0.81 -0.06	14.79 -0.79 -0.09	14.31 -0.80 -0.10	17.69 -1.01 -0.06	20.07 -1.14 -0.03	19.45 -1.10 -0.11	20.57 -1.12 -0.09	20.84 -1.16 -0.09	20.63 -1.20 -0.03	20.49 -1.19 -0.03	20.12 -1.21 -0.03	20.14 -1.15 -0.04	22.44 -1.20 -0.08	23.14 -1.21 -0.14	22.49 -1.26 1.93	22.10 -1.30 2.68	22.32 -1.27 1.81	19.61 -1.01 -0.04	14.34 -0.75 -0.15
NGRID_A1_DSASP 323792	15.53 -0.68 -1.02	13.74 -0.58 -1.14	12.07 -0.48 -1.29	10.69 -0.42 -1.44	12.56 -0.42 -1.09	15.53 -0.56 -0.47	15.46 -0.70 -0.68	14.95 -0.78 -0.73	17.88 -1.23 -0.47	19.92 -1.50 -0.24	19.80 -1.47 -0.83	19.98 -1.36 0.26	19.95 -1.42 0.53	19.74 -1.83 0.22	19.90 -1.65 0.10	19.92 -1.60 -0.20	19.94 -1.64 -0.33	22.36 -1.81 -0.61	23.12 -1.45 -0.36	24.94 -1.62 -0.89	24.86 -1.54 -0.32	22.86 -1.60 0.94	18.94 -1.52 0.11	15.27 -0.73 -1.07
NGRID_A2_DSASP 323793	15.53 -0.68 -1.02	13.74 -0.58 -1.14	12.07 -0.48 -1.29	10.69 -0.42 -1.44	12.56 -0.42 -1.09	15.53 -0.56 -0.47	15.46 -0.70 -0.68	14.95 -0.78 -0.73	17.88 -1.23 -0.47	19.92 -1.50 -0.24	19.80 -1.47 -0.83	19.98 -1.36 0.26	19.95 -1.42 0.53	19.74 -1.83 0.22	19.90 -1.65 0.10	19.92 -1.60 -0.20	19.94 -1.64 -0.33	22.36 -1.81 -0.61	23.12 -1.45 -0.36	24.94 -1.62 -0.89	24.86 -1.54 -0.32	22.86 -1.60 0.94	18.94 -1.52 0.11	15.27 -0.73 -1.07
NGRID_A4_DSASP 323807	15.53 -0.68 -1.02	13.74 -0.58 -1.14	12.07 -0.48 -1.29	10.69 -0.42 -1.44	12.56 -0.42 -1.09	15.53 -0.56 -0.47	15.46 -0.70 -0.68	14.95 -0.78 -0.73	17.88 -1.23 -0.47	19.92 -1.50 -0.24	19.80 -1.47 -0.83	19.98 -1.36 0.26	19.95 -1.42 0.53	19.74 -1.83 0.22	19.90 -1.65 0.10	19.92 -1.60 -0.20	19.94 -1.64 -0.33	22.36 -1.81 -0.61	23.12 -1.45 -0.36	24.94 -1.62 -0.89	24.86 -1.54 -0.32	22.86 -1.60 0.94	18.94 -1.52 0.11	15.27 -0.73 -1.07
NIAGARA_115E_LBMP 323715	15.50 -0.71 -1.03	13.71 -0.62 -1.14	12.04 -0.52 -1.29	10.66 -0.44 -1.44	12.53 -0.45 -1.09	15.48 -0.61 -0.47	15.48 -0.71 -0.70	14.96 -0.80 -0.76	17.88 -1.23 -0.48	19.92 -1.50 -0.24	19.80 -1.47 -0.83	19.98 -1.36 0.26	20.02 -0.50 0.22	20.20 -1.37 0.22	19.90 -1.65 0.10	19.92 -1.60 -0.21	19.94 -1.64 -0.33	22.38 -1.79 -0.62	23.17 -1.41 -0.36	24.97 -1.59 -0.89	24.86 -1.54 -0.32	23.14 -1.35 0.91	19.12 -1.34 0.11	15.31 -0.73 -1.10

NIAGARA_115W_LBMP 323714	15.50 -0.71 -1.02	13.71 -0.61 -1.13	12.04 -0.51 -1.28	10.67 -0.43 -1.44	12.54 -0.44 -1.09	15.49 -0.59 -0.47	15.43 -0.73 -0.68	14.92 -0.81 -0.73	17.84 -1.27 -0.47	19.88 -1.55 -0.24	19.76 -1.51 -0.82	19.96 -1.38 0.26	19.93 -1.45 0.53	19.70 -1.87 0.22	19.86 -1.69 0.10	19.87 -1.64 -0.20	19.90 -1.68 -0.33	22.31 -1.86 -0.61	23.10 -1.48 -0.36	24.89 -1.67 -0.89	24.80 -1.59 -0.32	22.84 -1.63 0.93	18.90 -1.56 0.11	15.24 -0.76 -1.06
NIAGARA_230_LBMP 323716	15.70 -0.50 -1.01	13.86 -0.45 -1.12	12.18 -0.36 -1.27	10.78 -0.31 -1.42	12.67 -0.30 -1.08	15.68 -0.41 -0.46	15.68 -0.50 -0.70	15.16 -0.59 -0.75	18.13 -0.97 -0.47	20.21 -1.21 -0.24	20.07 -1.19 -0.81	20.00 -1.38 0.22	20.00 -1.42 0.48	20.13 -1.46 0.20	20.22 -1.34 0.09	20.23 -1.28 -0.20	20.23 -1.34 -0.33	22.68 -1.48 -0.61	23.15 -1.45 -0.38	25.29 -1.26 -0.88	25.24 -1.17 -0.33	23.06 -1.45 0.89	19.27 -1.21 0.09	15.49 -0.54 -1.08
NIAGARA__115KV_198_GIBSON 55903	15.54 -0.71 -1.06	13.76 -0.61 -1.18	12.10 -0.51 -1.34	10.73 -0.43 -1.50	12.58 -0.44 -1.13	15.51 -0.59 -0.49	15.45 -0.73 -0.69	14.94 -0.81 -0.75	17.86 -1.27 -0.49	19.89 -1.55 -0.25	19.79 -1.51 -0.86	20.49 -1.34 -0.22	20.55 -1.45 -0.09	19.90 -1.90 0.00	20.03 -1.69 -0.07	19.88 -1.64 -0.21	19.91 -1.68 -0.35	22.33 -1.86 -0.64	23.17 -1.77 -0.72	24.96 -1.67 -0.95	25.09 -1.59 -0.60	23.49 -1.45 0.46	19.13 -1.56 -0.12	15.27 -0.76 -1.09
NIAGARA____ 23760	15.50 -0.71 -1.02	13.70 -0.62 -1.14	12.05 -0.51 -1.29	10.66 -0.44 -1.44	12.53 -0.45 -1.09	15.48 -0.61 -0.47	15.46 -0.71 -0.69	15.00 -0.75 -0.74	17.93 -1.17 -0.47	20.00 -1.42 -0.24	19.86 -1.41 -0.82	20.00 -1.38 0.22	20.00 -1.42 0.48	19.99 -1.59 0.21	19.99 -1.56 0.10	20.00 -1.51 -0.20	20.00 -1.57 -0.33	22.47 -1.70 -0.61	23.14 -1.45 -0.38	25.07 -1.49 -0.88	24.99 -1.41 -0.32	23.06 -1.45 0.89	19.09 -1.38 0.11	15.27 -0.75 -1.08
NINE_MILE_1 23575	15.39 -0.24 -0.44	13.46 -0.21 -0.49	11.63 -0.19 -0.55	10.12 -0.16 -0.62	12.17 -0.19 -0.47	15.57 -0.25 -0.20	15.52 -0.26 -0.30	15.07 -0.26 -0.32	18.50 -0.33 -0.20	20.90 -0.38 -0.10	20.41 -0.39 -0.35	21.48 -0.41 -0.29	21.79 -0.42 -0.30	21.46 -0.44 -0.10	21.33 -0.41 -0.10	20.99 -0.41 -0.09	20.98 -0.40 -0.14	23.37 -0.45 -0.26	24.19 -0.46 -0.44	25.62 -0.44 -0.38	25.99 -0.42 -0.33	24.91 -0.48 0.00	20.31 -0.41 -0.14	15.15 -0.25 -0.47
NINE_MILE_2 23744	15.39 -0.24 -0.44	13.46 -0.21 -0.49	11.63 -0.19 -0.55	10.12 -0.16 -0.62	12.17 -0.19 -0.47	15.57 -0.25 -0.20	15.52 -0.26 -0.30	15.07 -0.26 -0.32	18.50 -0.33 -0.20	20.90 -0.38 -0.10	20.41 -0.39 -0.35	21.48 -0.41 -0.29	21.79 -0.42 -0.30	21.46 -0.44 -0.10	21.33 -0.41 -0.10	20.99 -0.41 -0.09	20.98 -0.40 -0.14	23.37 -0.45 -0.26	24.19 -0.46 -0.44	25.61 -0.44 -0.38	25.99 -0.42 -0.33	24.91 -0.48 0.00	20.31 -0.41 -0.14	15.15 -0.25 -0.47
NM_CAPITAL____DRP 24208	23.25 0.59 -7.46	21.99 0.51 -8.29	21.10 0.45 -9.38	20.58 0.41 -10.51	20.35 0.51 -7.95	19.74 0.69 -3.43	21.27 0.65 -5.14	21.17 0.65 -5.53	22.95 0.86 -3.46	23.92 0.97 -1.76	27.41 0.94 -6.02	27.57 0.99 -4.97	27.99 1.01 -5.08	24.49 1.02 -1.67	24.32 1.00 -1.68	23.78 0.98 -1.49	24.63 0.96 -2.43	29.10 1.06 -4.49	32.73 1.07 -7.45	33.32 1.16 -6.50	32.82 1.15 -5.60	26.55 1.14 -0.01	23.90 0.88 -2.44	23.52 0.60 -7.99
NM_CENTRAL____DRP 24181	15.88 0.08 -0.62	13.92 0.05 -0.68	12.09 0.05 -0.77	10.56 0.03 -0.87	12.59 0.05 -0.66	15.96 0.06 -0.28	15.97 0.06 -0.42	15.52 0.06 -0.46	18.97 0.06 -0.29	21.39 0.06 -0.15	21.00 0.06 -0.50	22.06 0.04 -0.41	22.40 0.07 -0.42	22.00 0.07 -0.14	21.85 0.06 -0.14	21.50 0.06 -0.12	21.51 0.06 -0.20	23.97 0.05 -0.37	24.88 0.05 -0.62	26.38 0.13 -0.58	26.73 0.13 -0.52	25.52 0.08 -0.05	20.76 -0.02 -0.20	15.64 0.04 -0.66
NM_FRONTIER____DRP 24179	15.54 -0.71 -1.06	13.76 -0.61 -1.18	12.10 -0.51 -1.34	10.73 -0.43 -1.50	12.58 -0.44 -1.13	15.51 -0.59 -0.49	15.45 -0.73 -0.69	14.94 -0.81 -0.75	17.86 -1.27 -0.49	19.89 -1.55 -0.25	19.79 -1.51 -0.86	20.49 -1.34 -0.22	20.55 -1.45 -0.09	19.90 -1.90 0.00	20.03 -1.69 -0.07	19.88 -1.64 -0.21	19.91 -1.68 -0.35	22.33 -1.86 -0.64	23.17 -1.77 -0.72	24.96 -1.67 -0.95	25.09 -1.59 -0.60	23.49 -1.45 0.46	19.13 -1.56 -0.12	15.27 -0.76 -1.09
NM_ST_REGIS____HYD 24053	14.32 -0.94 -0.07	12.46 -0.80 -0.07	10.67 -0.69 -0.08	9.17 -0.59 -0.09	11.24 -0.73 -0.07	14.70 -0.95 -0.03	14.62 -0.91 -0.05	14.17 -0.89 -0.05	17.58 -1.08 -0.03	20.03 -1.16 -0.02	19.34 -1.17 -0.05	20.46 -1.19 -0.04	20.72 -1.23 -0.05	20.57 -1.24 -0.02	20.43 -1.23 -0.02	20.07 -1.26 -0.01	20.05 -1.21 -0.02	22.25 -1.34 -0.04	22.88 -1.40 -0.07	22.97 -1.57 1.14	22.89 -1.62 1.57	22.80 -1.55 1.05	19.42 -1.17 -0.02	14.13 -0.88 -0.07
NORTHPORT____1 23551	23.12 1.78 -6.15	21.54 1.52 -6.84	20.24 1.24 -7.73	19.35 1.02 -8.67	19.66 1.21 -6.56	20.02 1.58 -2.83	21.33 1.61 -4.24	21.09 1.53 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.56 2.15 -8.96	34.05 2.27 -10.18	32.03 2.32 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.17 2.28 -7.58	33.13 2.27 -9.62	35.57 2.61 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.47 2.95 -19.45	34.10 2.89 -5.81	25.54 2.24 -2.72	23.26 1.64 -6.68
NORTHPORT____2 23552	23.12 1.78 -6.15	21.54 1.52 -6.84	20.24 1.24 -7.73	19.35 1.02 -8.67	19.66 1.21 -6.56	20.02 1.58 -2.83	21.33 1.61 -4.24	21.09 1.53 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.56 2.15 -8.96	34.05 2.27 -10.18	32.03 2.32 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.17 2.28 -7.58	33.13 2.27 -9.62	35.57 2.61 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.47 2.95 -19.45	34.10 2.89 -5.81	25.54 2.24 -2.72	23.26 1.64 -6.68
NORTHPORT____3 23553	23.09 1.75 -6.15	21.50 1.48 -6.84	20.21 1.21 -7.73	19.33 1.00 -8.67	19.63 1.19 -6.56	19.98 1.53 -2.83	21.30 1.58 -4.24	21.06 1.50 -4.56	23.52 2.03 -2.85	29.80 2.31 -6.31	31.58 2.17 -8.96	34.09 2.31 -10.18	32.08 2.37 -7.81	31.09 2.40 -6.90	31.94 2.34 -7.95	31.21 2.32 -7.58	33.18 2.32 -9.62	35.59 2.64 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.58 3.05 -19.45	34.13 2.92 -5.81	25.52 2.22 -2.72	23.23 1.61 -6.68
NORTHPORT____4 23650	23.09 1.75 -6.15	21.50 1.48 -6.84	20.21 1.21 -7.73	19.33 1.00 -8.67	19.63 1.19 -6.56	19.98 1.53 -2.83	21.30 1.58 -4.24	21.06 1.50 -4.56	23.52 2.03 -2.85	29.80 2.31 -6.31	31.58 2.17 -8.96	34.09 2.31 -10.18	32.08 2.37 -7.81	31.09 2.40 -6.90	31.94 2.34 -7.95	31.21 2.32 -7.58	33.18 2.32 -9.62	35.59 2.64 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.58 3.05 -19.45	34.13 2.92 -5.81	25.52 2.22 -2.72	23.23 1.61 -6.68
NORTHPORT____IC 23718	23.12 1.78 -6.15	21.54 1.52 -6.84	20.24 1.24 -7.73	19.35 1.02 -8.67	19.66 1.21 -6.56	20.02 1.58 -2.83	21.33 1.61 -4.24	21.09 1.53 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.56 2.15 -8.96	34.05 2.27 -10.18	32.03 2.32 -7.81	31.03 2.33 -6.90	31.87 2.27 -7.95	31.17 2.28 -7.58	33.13 2.27 -9.62	35.57 2.61 -9.40	38.27 2.74 -11.32	42.42 2.93 -13.83	48.47 2.95 -19.45	34.10 2.89 -5.81	25.54 2.24 -2.72	23.26 1.64 -6.68

NORTH__COUNTRY_ESR 323785	14.08 -1.11 0.00	12.24 -0.95 0.00	10.45 -0.82 0.00	8.96 -0.71 0.00	11.03 -0.86 0.00	14.48 -1.14 0.00	14.38 -1.10 0.00	13.97 -1.03 0.00	17.35 -1.29 0.00	19.87 -1.31 0.00	19.20 -1.25 0.00	20.35 -1.25 0.00	20.59 -1.31 0.00	20.49 -1.31 0.00	20.33 -1.32 0.00	19.95 -1.36 0.00	19.93 -1.32 0.00	22.03 -1.53 0.00	22.57 -1.65 0.00	22.96 -1.82 0.89	22.99 -1.88 1.21	22.78 -1.83 0.79	19.13 -1.44 0.00	13.89 -1.05 0.00
NPX_GEN_1385_PROXY 323591	23.12 1.78 -6.15	21.54 1.52 -6.84	20.24 1.24 -7.73	19.37 1.04 -8.67	19.66 1.21 -6.56	20.02 1.58 -2.83	21.33 1.61 -4.24	21.09 1.53 -4.56	23.56 2.07 -2.85	29.84 2.35 -6.31	31.35 1.94 -8.96	33.79 2.01 -10.18	31.75 2.04 -7.81	30.77 2.07 -6.90	31.57 1.97 -7.95	30.87 1.98 -7.58	32.88 2.02 -9.62	35.62 2.66 -9.40	38.32 2.78 -11.32	42.17 2.67 -13.83	47.77 2.24 -19.45	33.83 2.62 -5.81	25.54 2.24 -2.72	23.26 1.64 -6.68
NPX_GEN_CSC 323557	23.06 1.72 -6.15	21.49 1.46 -6.84	20.18 1.18 -7.73	19.30 0.97 -8.67	19.59 1.14 -6.56	19.93 1.48 -2.83	21.27 1.55 -4.24	21.00 1.44 -4.56	23.50 2.01 -2.85	29.76 2.27 -6.31	31.31 1.90 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.88 2.02 -9.62	35.29 2.33 -9.40	37.98 2.44 -11.32	42.17 2.67 -13.83	48.32 2.79 -19.45	33.80 2.59 -5.81	25.33 2.04 -2.72	23.16 1.54 -6.68
NSINS_S_GLNS_FALLS 23858	24.02 1.00 -7.82	22.74 0.86 -8.69	21.82 0.72 -9.83	21.31 0.63 -11.02	21.04 0.81 -8.34	20.31 1.09 -3.60	21.93 1.05 -5.39	21.83 1.04 -5.80	23.72 1.45 -3.63	24.75 1.72 -1.85	28.42 1.66 -6.31	28.50 1.69 -5.21	28.96 1.73 -5.33	25.29 1.74 -1.75	25.10 1.69 -1.76	24.52 1.64 -1.57	25.41 1.61 -2.55	30.07 1.81 -4.70	33.86 1.84 -7.81	34.46 1.98 -6.81	33.88 1.93 -5.87	27.32 1.90 -0.01	24.51 1.38 -2.55	24.25 0.94 -8.37
NUCOR_STEEL__DRP 24197	16.35 0.32 -0.84	14.43 0.32 -0.93	12.59 0.27 -1.05	11.01 0.17 -1.18	13.02 0.24 -0.89	16.33 0.33 -0.38	16.41 0.36 -0.58	15.98 0.36 -0.62	19.43 0.41 -0.39	21.82 0.44 -0.20	21.55 0.43 -0.67	22.67 0.45 -0.61	23.03 0.48 -0.64	22.46 0.46 -0.21	22.31 0.45 -0.21	21.93 0.45 -0.17	21.98 0.47 -0.27	24.53 0.47 -0.50	25.59 0.51 -0.87	27.05 0.62 -0.76	27.38 0.60 -0.70	26.04 0.56 -0.09	21.18 0.31 -0.30	16.13 0.30 -0.89
NUMBER_THREE_WT_PWR 323818	15.20 -0.27 -0.28	13.27 -0.22 -0.31	11.43 -0.19 -0.35	9.89 -0.16 -0.39	11.98 -0.20 -0.30	15.48 -0.27 -0.13	15.41 -0.26 -0.19	14.89 -0.32 -0.21	18.31 -0.45 -0.13	20.70 -0.55 -0.07	20.14 -0.53 -0.22	21.25 -0.54 -0.18	21.55 -0.55 -0.19	21.27 -0.59 -0.06	21.08 -0.63 -0.06	20.71 -0.66 -0.06	20.76 -0.57 -0.09	23.20 -0.52 -0.17	24.08 -0.41 -0.28	26.28 -0.31 -0.91	26.88 -0.31 -1.12	25.63 -0.36 -0.59	20.36 -0.31 -0.09	15.00 -0.24 -0.30
NYISO_LBMP_REFERENCE 24008	15.19 0.00 0.00	13.19 0.00 0.00	11.27 0.00 0.00	9.66 0.00 0.00	11.89 0.00 0.00	15.62 0.00 0.00	15.48 0.00 0.00	15.00 0.00 0.00	18.63 0.00 0.00	21.18 0.00 0.00	20.45 0.00 0.00	21.60 0.00 0.00	21.91 0.00 0.00	21.79 0.00 0.00	21.65 0.00 0.00	21.31 0.00 0.00	21.24 0.00 0.00	23.56 0.00 0.00	24.21 0.00 0.00	25.67 0.00 0.00	26.08 0.00 0.00	25.40 0.00 0.00	20.58 0.00 0.00	14.94 0.00 0.00
NYPA_BRENTWD__GT 24164	23.24 1.90 -6.15	21.63 1.61 -6.84	20.32 1.32 -7.73	19.42 1.09 -8.67	19.74 1.30 -6.56	20.14 1.69 -2.83	21.45 1.73 -4.24	21.19 1.64 -4.56	23.68 2.20 -2.85	30.01 2.52 -6.31	31.74 2.33 -8.96	34.22 2.44 -10.18	32.21 2.50 -7.81	31.20 2.51 -6.90	32.04 2.45 -7.95	31.34 2.45 -7.58	33.32 2.46 -9.62	35.78 2.83 -9.40	38.49 2.95 -11.32	42.68 3.18 -13.83	48.79 3.26 -19.45	34.36 3.15 -5.81	25.70 2.41 -2.72	23.38 1.76 -6.68
NYPA_GOWANUS__GT5 24156	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NYPA_GOWANUS__GT6 24157	22.95 1.59 -6.16	21.38 1.36 -6.83	20.15 1.15 -7.73	19.28 0.95 -8.66	19.58 1.13 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.54 2.00 -1.23	25.24 2.00 -2.00	29.47 2.21 -3.70	32.63 2.28 -6.14	33.43 2.41 -5.35	33.21 2.53 -4.60	27.89 2.49 0.00	24.59 1.98 -2.03	23.11 1.48 -6.69
NYPA_HARLEM_RVR_GT1 24160	22.89 1.53 -6.16	21.30 1.28 -6.83	20.10 1.10 -7.73	19.26 0.93 -8.66	19.55 1.11 -6.55	19.81 1.36 -2.83	21.00 1.28 -4.24	20.78 1.23 -4.55	23.08 1.60 -2.85	24.36 1.74 -1.45	27.06 1.66 -4.96	27.48 1.79 -4.09	27.89 1.82 -4.17	25.04 1.87 -1.37	24.86 1.84 -1.38	24.37 1.83 -1.22	25.07 1.83 -2.00	29.22 1.98 -3.69	32.40 2.06 -6.13	33.19 2.18 -5.34	32.99 2.32 -4.60	27.63 2.24 0.01	24.36 1.75 -2.03	22.99 1.36 -6.69
NYPA_HARLEM_RVR_GT2 24161	22.89 1.53 -6.16	21.30 1.28 -6.83	20.10 1.10 -7.73	19.26 0.93 -8.66	19.55 1.11 -6.55	19.81 1.36 -2.83	21.00 1.28 -4.24	20.78 1.23 -4.55	23.08 1.60 -2.85	24.36 1.74 -1.45	27.06 1.66 -4.96	27.48 1.79 -4.09	27.89 1.82 -4.17	25.04 1.87 -1.37	24.86 1.84 -1.38	24.37 1.83 -1.22	25.07 1.83 -2.00	29.22 1.98 -3.69	32.40 2.06 -6.13	33.19 2.18 -5.34	32.99 2.32 -4.60	27.63 2.24 0.01	24.36 1.75 -2.03	22.99 1.36 -6.69
NYPA_KENT__GT 24152	22.92 1.57 -6.16	21.35 1.33 -6.83	20.12 1.13 -7.73	19.26 0.93 -8.66	19.55 1.11 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.89 1.33 -4.56	23.22 1.73 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.45 2.19 -3.70	32.60 2.25 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.86 2.46 0.00	24.54 1.93 -2.03	23.08 1.45 -6.69
NYPA_POUCH1__GT 24155	22.93 1.58 -6.16	21.38 1.36 -6.83	20.14 1.14 -7.73	19.27 0.94 -8.66	19.56 1.12 -6.55	19.79 1.34 -2.83	21.02 1.30 -4.24	20.77 1.21 -4.56	23.03 1.55 -2.85	24.29 1.65 -1.45	27.05 1.64 -4.96	27.47 1.77 -4.09	27.93 1.84 -4.18	25.04 1.87 -1.38	24.89 1.86 -1.38	24.42 1.88 -1.23	25.14 1.89 -2.00	29.40 2.14 -3.70	32.41 2.06 -6.14	33.17 2.16 -5.34	32.97 2.30 -4.60	27.81 2.41 0.00	24.54 1.93 -2.03	23.06 1.43 -6.69
NYPA_VERNON__GT2 24162	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.60 2.25 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.52 1.91 -2.03	23.06 1.43 -6.69

NYPA_VERNON____GT3 24163	22.89	21.33	20.11	19.25	19.54	19.84	21.10	20.91	23.22	24.52	27.21	27.64	28.08	25.20	25.02	24.52	25.22	29.42	32.60	33.41	33.21	27.84	24.52	23.06
	1.53	1.31	1.12	0.92	1.09	1.39	1.38	1.35	1.73	1.88	1.80	1.95	1.99	2.03	1.99	1.98	1.98	2.17	2.25	2.39	2.53	2.44	1.91	1.43
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
NYPA____ASTORIA_CC1 323568	22.89	21.33	20.11	19.25	19.54	19.84	21.08	20.89	23.22	24.50	27.19	27.62	28.03	25.17	25.00	24.50	25.18	29.37	32.55	33.36	33.16	27.78	24.50	23.06
	1.53	1.31	1.12	0.92	1.09	1.39	1.36	1.33	1.73	1.86	1.78	1.92	1.95	2.00	1.97	1.96	1.93	2.12	2.20	2.34	2.48	2.39	1.89	1.43
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
NYPA____ASTORIA_CC2 323569	22.89	21.33	20.11	19.25	19.54	19.84	21.08	20.89	23.22	24.50	27.19	27.62	28.03	25.17	25.00	24.50	25.18	29.37	32.55	33.36	33.16	27.78	24.50	23.06
	1.53	1.31	1.12	0.92	1.09	1.39	1.36	1.33	1.73	1.86	1.78	1.92	1.95	2.00	1.97	1.96	1.93	2.12	2.20	2.34	2.48	2.39	1.89	1.43
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.56	-2.85	-1.45	-4.96	-4.09	-4.18	-1.38	-1.38	-1.23	-2.00	-3.70	-6.14	-5.35	-4.60	0.00	-2.03	-6.69
NYPA____HOLTSVILL 23794	23.15	21.56	20.25	19.36	19.67	20.04	21.36	21.10	23.57	29.89	31.54	34.01	31.99	31.00	31.85	31.15	33.11	35.55	38.25	42.42	48.55	34.08	25.52	23.28
	1.81	1.54	1.25	1.03	1.22	1.59	1.64	1.55	2.09	2.39	2.13	2.23	2.28	2.31	2.25	2.26	2.25	2.59	2.71	2.93	3.02	2.87	2.22	1.66
	-6.15	-6.84	-7.73	-8.67	-6.56	-2.83	-4.24	-4.56	-2.85	-6.31	-8.96	-10.18	-7.81	-6.90	-7.95	-7.58	-9.62	-9.40	-11.32	-13.83	-19.45	-5.81	-2.72	-6.68
NYPA____HELLGATE_GT1 24158	22.89	21.30	20.10	19.26	19.55	19.81	21.00	20.78	23.08	24.36	27.06	27.48	27.89	25.04	24.86	24.37	25.07	29.22	32.40	33.19	32.99	27.63	24.36	22.99
	1.53	1.28	1.10	0.93	1.11	1.36	1.28	1.23	1.60	1.74	1.66	1.79	1.82	1.87	1.84	1.83	1.83	1.98	2.06	2.18	2.32	2.24	1.75	1.36
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.55	-2.85	-1.45	-4.96	-4.09	-4.17	-1.37	-1.38	-1.22	-2.00	-3.69	-6.13	-5.34	-4.60	0.01	-2.03	-6.69
NYPA____HELLGATE_GT2 24159	22.89	21.30	20.10	19.26	19.55	19.81	21.00	20.78	23.08	24.36	27.06	27.48	27.89	25.04	24.86	24.37	25.07	29.22	32.40	33.19	32.99	27.63	24.36	22.99
	1.53	1.28	1.10	0.93	1.11	1.36	1.28	1.23	1.60	1.74	1.66	1.79	1.82	1.87	1.84	1.83	1.83	1.98	2.06	2.18	2.32	2.24	1.75	1.36
	-6.16	-6.83	-7.73	-8.66	-6.55	-2.83	-4.24	-4.55	-2.85	-1.45	-4.96	-4.09	-4.17	-1.37	-1.38	-1.22	-2.00	-3.69	-6.13	-5.34	-4.60	0.01	-2.03	-6.69
NYS_BARGE____HYD 23848	15.69	13.86	12.16	10.76	12.67	15.67	15.67	15.15	18.13	20.21	20.07	20.23	20.28	20.42	20.22	20.23	20.23	22.72	23.44	25.33	25.29	23.50	19.37	15.48
	-0.50	-0.43	-0.36	-0.31	-0.29	-0.41	-0.50	-0.59	-0.97	-1.21	-1.19	-1.17	-1.18	-1.18	-1.34	-1.28	-1.34	-1.44	-1.16	-1.21	-1.12	-1.04	-1.11	-0.52
	-1.00	-1.11	-1.25	-1.41	-1.06	-0.46	-0.68	-0.74	-0.46	-0.24	-0.81	0.21	0.45	0.20	0.08	-0.20	-0.33	-0.60	-0.39	-0.87	-0.33	0.85	0.09	-1.07
OAK ORCHARD____HYD 24046	16.16	14.23	12.41	10.93	12.94	16.20	16.21	15.73	19.00	21.33	21.07	22.00	22.23	21.65	21.79	21.43	21.43	24.01	24.97	26.57	26.96	25.17	20.76	15.96
	0.14	0.12	0.10	0.10	0.17	0.20	0.15	0.12	-0.02	-0.04	-0.04	-0.15	-0.24	-0.33	-0.04	-0.04	-0.08	-0.05	-0.07	0.18	0.26	-0.23	-0.08	0.13
	-0.83	-0.92	-1.04	-1.17	-0.88	-0.38	-0.57	-0.61	-0.38	-0.20	-0.67	-0.55	-0.56	-0.19	-0.19	-0.17	-0.27	-0.50	-0.83	-0.72	-0.62	0.00	-0.27	-0.89
OAKDALE__35_KV_LOAD 356122	17.69	15.88	14.24	12.92	14.46	16.95	17.29	16.92	19.98	22.01	22.49	23.39	23.85	22.80	22.45	22.05	22.25	25.20	26.78	28.10	28.33	26.19	21.57	17.54
	0.32	0.28	0.24	0.18	0.25	0.33	0.31	0.30	0.34	0.32	0.29	0.30	0.42	0.50	0.30	0.30	0.30	0.33	0.36	0.51	0.57	0.74	0.27	0.27
	-2.18	-2.42	-2.74	-3.07	-2.32	-1.00	-1.50	-1.61	-1.01	-0.52	-1.76	-1.49	-1.53	-0.51	-0.50	-0.44	-0.71	-1.31	-2.20	-1.92	-1.68	-0.06	-0.73	-2.33
OCC_CHEM____DRP 24175	15.57	13.79	12.12	10.75	12.61	15.55	15.48	14.97	17.90	19.93	19.83	20.48	20.55	19.94	20.07	19.93	19.95	22.38	23.19	25.01	25.14	23.49	19.17	15.30
	-0.68	-0.58	-0.48	-0.42	-0.42	-0.56	-0.70	-0.78	-1.23	-1.50	-1.47	-1.34	-1.45	-1.85	-1.65	-1.60	-1.64	-1.81	-1.74	-1.62	-1.54	-1.45	-1.52	-0.73
	-1.06	-1.18	-1.34	-1.50	-1.13	-0.49	-0.69	-0.75	-0.49	-0.25	-0.86	-0.22	-0.09	0.00	-0.07	-0.21	-0.35	-0.64	-0.72	-0.96	-0.60	0.46	-0.12	-1.09
OH_GEN_PROXY 24063	15.74	13.89	12.21	10.81	12.70	15.71	15.72	15.23	18.21	20.30	20.16	20.21	20.24	20.30	20.34	20.30	20.32	22.80	23.33	25.40	25.40	23.30	19.39	15.54
	-0.47	-0.42	-0.34	-0.29	-0.27	-0.37	-0.46	-0.53	-0.89	-1.12	-1.10	-1.30	-1.34	-1.35	-1.26	-1.21	-1.25	-1.37	-1.36	-1.15	-1.07	-1.32	-1.15	-0.49
	-1.02	-1.13	-1.28	-1.43	-1.08	-0.47	-0.70	-0.75	-0.47	-0.24	-0.82	0.10	0.33	0.15	0.05	-0.20	-0.33	-0.61	-0.47	-0.88	-0.39	0.78	0.04	-1.09
OLIN_CORP_DRP 24177	15.59	13.78	12.12	10.74	12.60	15.53	15.55	15.04	17.94	19.97	19.88	20.51	20.62	20.38	20.14	19.99	20.00	22.45	23.56	25.09	25.23	23.54	19.38	15.38
	-0.67	-0.59	-0.48	-0.43	-0.43	-0.58	-0.67	-0.75	-1.19	-1.46	-1.43	-1.32	-1.40	-1.42	-1.58	-1.53	-1.59	-1.74	-1.38	-1.54	-1.46	-1.42	-1.32	-0.70
	-1.07	-1.19	-1.34	-1.50	-1.14	-0.49	-0.74	-0.79	-0.50	-0.25	-0.86	-0.23	-0.11	-0.01	-0.07	-0.21	-0.35	-0.64	-0.73	-0.96	-0.61	0.44	-0.12	-1.14
OLIN_CORP_DSASP 323712	15.53	13.74	12.07	10.69	12.56	15.53	15.46	14.95	17.88	19.92	19.80	19.98	19.95	19.74	19.90	19.92	19.94	22.36	23.12	24.94	24.86	22.86	18.94	15.27
	-0.68	-0.58	-0.48	-0.42	-0.42	-0.56	-0.70	-0.78	-1.23	-1.50	-1.47	-1.36	-1.42	-1.83	-1.65	-1.60	-1.64	-1.81	-1.45	-1.62	-1.54	-1.60	-1.52	-0.73
	-1.02	-1.14	-1.29	-1.44	-1.09	-0.47	-0.68	-0.73	-0.47	-0.24	-0.83	0.26	0.53	0.22	0.10	-0.20	-0.33	-0.61	-0.36	-0.89	-0.32	0.94	0.11	-1.07
ONEIDA_HERK_LFGE 323681	15.50	13.51	11.62	10.05	12.21	15.81	15.75	15.24	18.80	21.26	20.60	21.77	22.09	21.85	21.64	21.30	21.30	23.75	24.58	26.39	26.85	25.82	20.78	15.28
	0.06	0.05	0.05	0.04	0.06	0.08	0.09	0.06	0.06	0.02	-0.04	0.00	0.02	0.00	-0.06	-0.06	-0.02	0.05	0.12	0.20	0.18	0.15	0.12	0.08
	-0.25	-0.27	-0.31	-0.35	-0.26	-0.11	-0.17	-0.18	-0.11	-0.06	-0.20	-0.16	-0.17	-0.05	-0.06	-0.05	-0.08	-0.15	-0.24	-0.51	-0.59	-0.26	-0.08	-0.26
ONEIDA____115KV_TB4 55905	15.92	13.92	12.01	10.43	12.57	16.16	16.13	15.64	19.19	21.65	21.07	22.24	22.62	22.30	22.11	21.73	21.75	24.24	25.17	26.76	27.14	26.11	21.14	15.70
	0.33	0.29	0.25	0.21	0.26	0.36	0.37	0.35	0.37	0.38	0.31	0.37	0.44	0.41	0.37	0.34	0.38	0.45	0.56	0.64	0.63	0.61	0.43	0.34
	-0.39	-0.44	-0.50	-0.56	-0.42	-0.18	-0.27	-0.29	-0.18	-0.09	-0.32	-0.27	-0.28	-0.09	-0.09	-0.08	-0.13	-0.24	-0.40	-0.45	-0.44	-0.10	-0.13	-0.42

ONONDAGA_REF_OCCRA 23987	16.08 0.12 -0.77	14.13 0.09 -0.85	12.31 0.08 -0.97	10.80 0.05 -1.08	12.78 0.07 -0.82	16.08 0.11 -0.35	16.12 0.11 -0.53	15.69 0.12 -0.57	19.10 0.11 -0.36	21.49 0.13 -0.18	21.19 0.12 -0.62	22.24 0.11 -0.53	22.58 0.13 -0.54	22.10 0.13 -0.18	21.96 0.13 -0.18	21.59 0.13 -0.15	21.62 0.13 -0.25	24.16 0.14 -0.46	25.14 0.15 -0.78	26.59 0.21 -0.71	26.95 0.23 -0.64	25.63 0.18 -0.05	20.88 0.04 -0.26	15.85 0.09 -0.82
ONONDAGA___COGEN 23986	16.04 0.15 -0.69	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.72 0.10 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.66 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.26 0.17 -0.49	22.61 0.20 -0.50	22.16 0.20 -0.17	21.99 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.16 -0.42	25.09 0.17 -0.71	26.54 0.23 -0.64	26.90 0.23 -0.58	25.64 0.18 -0.06	20.88 0.06 -0.24	15.78 0.10 -0.74
ONTARIO___LFGE 23819	16.54 0.38 -0.97	14.59 0.33 -1.08	12.76 0.27 -1.22	11.23 0.20 -1.36	13.22 0.30 -1.03	16.45 0.39 -0.45	16.54 0.39 -0.67	16.11 0.39 -0.72	19.44 0.35 -0.45	21.79 0.38 -0.23	21.54 0.31 -0.78	23.10 0.26 -1.24	23.65 0.31 -1.44	22.62 0.33 -0.50	22.36 0.28 -0.43	21.80 0.30 -0.19	21.86 0.30 -0.32	24.47 0.33 -0.58	25.98 0.39 -1.38	27.08 0.56 -0.84	27.69 0.60 -1.01	26.55 0.56 -0.59	21.38 0.21 -0.60	16.26 0.28 -1.04
ORANGEVILLE_WT_PWR 323706	16.11 -0.30 -1.22	14.28 -0.26 -1.36	12.58 -0.23 -1.53	11.17 -0.21 -1.72	13.01 -0.18 -1.30	15.93 -0.25 -0.56	16.00 -0.33 -0.84	15.53 -0.37 -0.90	18.53 -0.67 -0.57	20.62 -0.85 -0.29	20.57 -0.86 -0.98	17.55 -0.97 3.08	16.81 -0.85 4.24	19.45 -0.74 1.60	19.59 -0.95 1.10	20.68 -0.87 -0.24	20.77 -0.87 -0.40	23.35 -0.94 -0.73	21.80 -0.92 1.50	25.94 -0.80 -1.06	24.36 -0.78 0.94	20.98 -0.56 3.86	18.10 -1.03 1.45	15.78 -0.46 -1.31
ORANGEVILLE___ESR 323794	16.11 -0.30 -1.22	14.28 -0.26 -1.36	12.58 -0.23 -1.53	11.17 -0.21 -1.72	13.01 -0.18 -1.30	15.93 -0.25 -0.56	16.00 -0.33 -0.84	15.53 -0.37 -0.90	18.53 -0.67 -0.57	20.62 -0.85 -0.29	20.57 -0.86 -0.98	17.55 -0.97 3.08	16.81 -0.85 4.24	19.45 -0.74 1.60	19.59 -0.95 1.10	20.68 -0.87 -0.24	20.77 -0.87 -0.40	23.35 -0.94 -0.73	21.80 -0.92 1.50	25.94 -0.80 -1.06	24.36 -0.78 0.94	20.98 -0.56 3.86	18.10 -1.03 1.45	15.78 -0.46 -1.31
OSWEGATCHIE___HYD 24044	14.55 -0.81 -0.16	12.68 -0.69 -0.18	10.89 -0.57 -0.20	9.40 -0.49 -0.22	11.44 -0.62 -0.17	14.88 -0.81 -0.07	14.80 -0.79 -0.11	14.32 -0.80 -0.12	17.70 -1.01 -0.07	20.07 -1.14 -0.04	19.47 -1.10 -0.13	20.61 -1.10 -0.11	20.85 -1.16 -0.11	20.65 -1.18 -0.04	20.49 -1.19 -0.04	20.13 -1.21 -0.03	20.15 -1.15 -0.05	22.45 -1.20 -0.10	23.16 -1.21 -0.16	22.44 -1.26 1.98	22.02 -1.30 2.75	22.26 -1.27 1.87	19.62 -1.01 1.87	14.36 -0.75 -0.17
OSWEGO___5 23606	15.55 -0.14 -0.50	13.61 -0.13 -0.55	11.78 -0.11 -0.63	10.26 -0.11 -0.70	12.30 -0.12 -0.53	15.69 -0.16 -0.23	15.67 -0.15 -0.34	15.22 -0.15 -0.37	18.66 -0.20 -0.23	21.05 -0.25 -0.12	20.60 -0.24 -0.40	21.65 -0.28 -0.33	21.98 -0.26 -0.34	21.62 -0.28 -0.11	21.50 -0.26 -0.11	21.16 -0.25 -0.10	21.15 -0.25 -0.16	23.55 -0.31 -0.30	24.42 -0.29 -0.50	25.85 -0.26 -0.43	26.19 -0.26 -0.37	25.09 -0.30 0.00	20.45 -0.29 -0.16	15.31 -0.16 -0.54
OSWEGO___6 23613	15.55 -0.14 -0.50	13.61 -0.13 -0.55	11.78 -0.11 -0.63	10.26 -0.11 -0.70	12.30 -0.12 -0.53	15.69 -0.16 -0.23	15.67 -0.15 -0.34	15.22 -0.15 -0.37	18.66 -0.20 -0.23	21.05 -0.25 -0.12	20.60 -0.24 -0.40	21.65 -0.28 -0.33	21.98 -0.26 -0.34	21.62 -0.28 -0.11	21.50 -0.26 -0.11	21.16 -0.25 -0.10	21.15 -0.25 -0.16	23.55 -0.31 -0.30	24.42 -0.29 -0.50	25.85 -0.26 -0.43	26.19 -0.26 -0.37	25.09 -0.30 0.00	20.45 -0.29 -0.16	15.31 -0.16 -0.54
OUTOKUMPU-AB___DRP 24206	15.83 -0.44 -1.08	14.01 -0.37 -1.20	12.32 -0.30 -1.35	10.91 -0.27 -1.52	12.80 -0.24 -1.15	15.77 -0.34 -0.50	15.77 -0.43 -0.72	15.26 -0.53 -0.78	18.22 -0.91 -0.50	20.31 -1.12 -0.25	20.19 -1.12 -0.87	20.75 -1.08 -0.22	20.92 -1.07 -0.09	20.60 -1.20 0.00	20.46 -1.26 -0.07	20.31 -1.21 -0.22	20.34 -1.25 -0.35	22.84 -1.37 -0.65	23.71 -1.23 -0.73	25.51 -1.13 -0.97	25.65 -1.04 -0.61	24.05 -0.89 0.46	19.56 -1.13 -0.12	15.58 -0.49 -1.13
OXBOW___ 24026	15.69 -0.53 -1.03	13.87 -0.46 -1.15	12.19 -0.37 -1.30	10.79 -0.33 -1.45	12.68 -0.31 -1.10	15.67 -0.42 -0.47	15.63 -0.54 -0.69	15.12 -0.63 -0.74	18.07 -1.04 -0.48	20.13 -1.29 -0.24	20.01 -1.27 -0.83	20.10 -1.21 0.29	20.11 -1.23 0.57	20.07 -1.48 0.24	20.10 -1.43 0.11	20.15 -1.36 -0.21	20.16 -1.42 -0.34	22.62 -1.56 -0.62	23.33 -1.23 -0.35	25.23 -1.34 -0.90	25.13 -1.25 -0.31	23.21 -1.22 0.97	19.15 -1.30 0.13	15.44 -0.58 -1.08
OXY_CHEM_DSASP 323612	15.53 -0.68 -1.02	13.74 -0.58 -1.14	12.07 -0.48 -1.29	10.69 -0.42 -1.44	12.56 -0.42 -1.09	15.53 -0.56 -0.47	15.46 -0.70 -0.68	14.95 -0.78 -0.73	17.88 -1.23 -0.47	19.92 -1.50 -0.24	19.80 -1.47 -0.83	19.98 -1.36 0.26	19.95 -1.42 0.53	19.74 -1.83 0.22	19.90 -1.65 0.10	19.92 -1.60 -0.20	19.94 -1.64 -0.33	22.36 -1.81 -0.61	23.12 -1.45 -0.36	24.94 -1.62 -0.89	24.86 -1.54 -0.32	22.86 -1.60 0.94	18.94 -1.52 0.11	15.27 -0.73 -1.07
OZONE_PARK_ESR 323760	22.91 1.55 -6.17	21.37 1.33 -6.85	20.15 1.13 -7.75	19.28 0.93 -8.69	19.57 1.11 -6.57	19.88 1.42 -2.84	21.16 1.42 -4.25	21.01 1.44 -4.57	23.34 1.84 -2.86	24.65 2.01 -1.46	27.35 1.92 -4.98	27.79 2.07 -4.12	28.24 2.12 -4.21	25.34 2.16 -1.39	25.14 2.10 -1.39	24.63 2.09 -1.23	25.34 2.08 -2.01	29.57 2.31 -3.71	32.80 2.42 -6.16	33.66 2.62 -5.37	33.45 2.74 -4.63	28.03 2.62 -0.02	24.59 2.00 -2.01	23.00 1.46 -6.60
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	15.57 -0.68 -1.06	13.79 -0.58 -1.18	12.12 -0.48 -1.34	10.75 -0.42 -1.50	12.61 -0.42 -1.13	15.55 -0.56 -0.49	15.48 -0.70 -0.69	14.97 -0.78 -0.75	17.90 -1.23 -0.49	19.93 -1.50 -0.25	19.83 -1.47 -0.86	20.48 -1.34 -0.22	20.55 -1.45 -0.09	19.94 -1.85 0.00	20.07 -1.65 -0.07	19.93 -1.60 -0.21	19.95 -1.64 -0.35	22.38 -1.81 -0.64	23.19 -1.74 -0.72	25.01 -1.62 -0.96	25.14 -1.54 -0.60	23.49 -1.45 0.46	19.17 -1.52 -0.12	15.30 -0.73 -1.09
PACKARD__115KV_DUPONT_184 80571	15.57 -0.68 -1.06	13.79 -0.58 -1.18	12.12 -0.48 -1.34	10.75 -0.42 -1.50	12.61 -0.42 -1.13	15.55 -0.56 -0.49	15.48 -0.70 -0.69	14.97 -0.78 -0.75	17.90 -1.23 -0.49	19.93 -1.50 -0.25	19.83 -1.47 -0.86	20.48 -1.34 -0.22	20.55 -1.45 -0.09	19.94 -1.85 0.00	20.07 -1.65 -0.07	19.93 -1.60 -0.21	19.95 -1.64 -0.35	22.38 -1.81 -0.64	23.19 -1.74 -0.72	25.01 -1.62 -0.96	25.14 -1.54 -0.60	23.49 -1.45 0.46	19.17 -1.52 -0.12	15.30 -0.73 -1.09
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.92 1.55 -6.18	21.35 1.31 -6.85	20.14 1.12 -7.75	19.29 0.94 -8.69	19.58 1.12 -6.57	19.83 1.37 -2.84	21.03 1.30 -4.25	20.83 1.26 -4.57	23.13 1.64 -2.86	24.40 1.76 -1.46	27.10 1.68 -4.98	27.53 1.81 -4.12	27.97 1.86 -4.21	25.07 1.90 -1.39	24.90 1.86 -1.39	24.40 1.85 -1.23	25.10 1.85 -2.01	29.29 2.03 -3.71	32.48 2.11 -6.16	33.28 2.23 -5.37	33.06 2.35 -4.63	27.68 2.26 -0.02	24.40 1.81 -2.01	22.93 1.39 -6.60

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	23.03 1.66 -6.18	21.45 1.41 -6.85	20.24 1.22 -7.75	19.37 1.01 -8.69	19.69 1.22 -6.57	19.97 1.51 -2.84	21.16 1.42 -4.25	20.95 1.38 -4.57	23.28 1.79 -2.86	24.55 1.91 -1.46	27.14 1.72 -4.98	27.58 1.86 -4.12	28.00 1.88 -4.21	25.10 1.92 -1.39	24.92 1.88 -1.39	24.42 1.88 -1.23	25.12 1.87 -2.01	29.31 2.05 -3.71	32.51 2.13 -6.16	33.33 2.28 -5.37	33.14 2.43 -4.63	27.75 2.34 -0.02	24.52 1.93 -2.01	23.03 1.49 -6.60
PATROON__115KV_TB1 80586	23.31 0.58 -7.54	22.06 0.50 -8.38	21.18 0.44 -9.47	20.68 0.40 -10.62	20.42 0.50 -8.03	19.76 0.67 -3.47	21.31 0.63 -5.19	21.23 0.65 -5.58	22.97 0.84 -3.50	23.94 0.97 -1.78	27.45 0.92 -6.08	27.60 0.97 -5.03	28.05 1.01 -5.13	24.49 1.00 -1.69	24.34 1.00 -1.70	23.78 0.96 -1.51	24.66 0.96 -2.46	29.15 1.06 -4.53	32.78 1.04 -7.52	33.39 1.16 -6.56	32.85 1.12 -5.65	26.53 1.12 -0.01	23.90 0.86 -2.46	23.59 0.58 -8.07
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	15.80 -0.58 -1.18	14.01 -0.49 -1.31	12.34 -0.42 -1.49	10.96 -0.37 -1.66	12.78 -0.37 -1.26	15.66 -0.50 -0.54	15.72 -0.57 -0.81	15.26 -0.62 -0.87	18.21 -0.97 -0.55	20.25 -1.21 -0.28	20.19 -1.21 -0.95	20.55 -1.34 -0.28	21.33 -0.72 -0.15	21.60 -0.22 -0.02	20.44 -1.30 -0.09	20.25 -1.30 -0.24	20.31 -1.32 -0.39	22.83 -1.44 -0.71	23.69 -1.36 -0.83	25.52 -1.21 -1.06	25.64 -1.12 -0.68	25.10 0.18 0.47	19.47 -1.26 -0.15	15.59 -0.61 -1.26
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.82 1.43 -6.20	21.30 1.23 -6.89	20.12 1.06 -7.79	19.27 0.87 -8.74	19.56 1.06 -6.61	19.81 1.34 -2.85	21.09 1.33 -4.27	20.89 1.29 -4.59	23.19 1.68 -2.88	24.51 1.86 -1.47	27.31 1.86 -5.00	27.71 1.97 -4.14	28.17 2.04 -4.23	25.19 2.00 -1.39	24.99 1.95 -1.40	24.47 1.92 -1.24	25.24 1.98 -2.02	29.50 2.21 -3.73	32.68 2.28 -6.19	33.48 2.41 -5.40	33.26 2.53 -4.66	27.88 2.46 -0.02	24.35 1.75 -2.03	22.83 1.25 -6.64
PEEKSKILL____ 23653	22.66 1.35 -6.11	21.12 1.15 -6.79	19.93 0.98 -7.68	19.08 0.81 -8.61	19.38 0.98 -6.51	19.68 1.25 -2.81	20.95 1.25 -4.21	20.76 1.23 -4.53	23.05 1.58 -2.84	24.38 1.76 -1.45	27.07 1.70 -4.93	27.49 1.81 -4.07	27.90 1.84 -4.15	25.04 1.87 -1.37	24.84 1.82 -1.37	24.32 1.79 -1.22	25.04 1.80 -1.99	29.23 2.00 -3.67	32.39 2.08 -6.10	33.22 2.23 -5.31	33.00 2.35 -4.57	27.68 2.29 0.00	24.28 1.69 -2.02	22.80 1.23 -6.64
PGE MADISON__WINDPWR 24146	18.26 1.06 -2.01	16.34 0.92 -2.23	14.58 0.79 -2.52	13.17 0.68 -2.83	14.86 0.83 -2.14	17.67 1.13 -0.92	18.06 1.19 -1.38	17.61 1.13 -1.49	20.85 1.28 -0.93	22.93 1.27 -0.47	23.23 1.16 -1.62	24.49 1.34 -1.55	25.01 1.47 -1.64	23.78 1.44 -0.55	23.38 1.21 -0.53	22.88 1.17 -0.40	23.15 1.25 -0.65	26.25 1.48 -1.21	28.03 1.67 -2.15	29.37 1.95 -1.75	29.72 2.04 -1.60	27.69 2.08 -0.21	22.73 1.40 -0.76	18.15 1.06 -2.15
PIERCEFIELD__HYD 23852	14.37 -0.90 -0.07	12.50 -0.76 -0.08	10.72 -0.64 -0.09	9.22 -0.55 -0.10	11.28 -0.69 -0.08	14.75 -0.91 -0.03	14.67 -0.87 -0.05	14.20 -0.86 -0.05	17.62 -1.04 -0.03	20.05 -1.14 -0.02	19.34 -1.17 -0.06	20.46 -1.19 -0.05	20.73 -1.23 -0.05	20.57 -1.24 -0.02	20.43 -1.23 -0.02	20.07 -1.26 -0.01	20.08 -1.19 -0.02	22.30 -1.30 -0.04	22.93 -1.36 -0.07	22.95 -1.51 1.21	22.84 -1.56 1.68	22.77 -1.50 1.12	19.49 -1.11 -0.02	14.20 -0.82 -0.08
PINELAWN_CC_1 323563	23.17 1.82 -6.15	21.56 1.54 -6.84	20.25 1.25 -7.73	19.36 1.03 -8.67	19.68 1.24 -6.56	20.04 1.59 -2.83	21.36 1.64 -4.24	21.10 1.55 -4.56	23.57 2.09 -2.85	29.86 2.37 -6.31	31.64 2.23 -8.96	34.14 2.36 -10.18	32.12 2.41 -7.81	31.11 2.42 -6.90	31.96 2.36 -7.95	31.25 2.37 -7.58	33.24 2.38 -9.62	35.66 2.71 -9.40	38.39 2.86 -11.32	42.55 3.05 -13.83	48.71 3.18 -19.45	34.26 3.05 -5.81	25.62 2.32 -2.72	23.31 1.69 -6.68
PJM_GEN_HTP_PROXY 323702	22.79 1.44 -6.15	21.25 1.23 -6.83	20.05 1.05 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.16 1.91 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.13	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.44 1.83 -2.03	22.96 1.34 -6.68
PJM_GEN_KEystone 24065	19.63 0.55 -3.89	17.97 0.46 -4.32	16.55 0.39 -4.89	15.46 0.32 -5.48	16.45 0.42 -4.15	17.94 0.53 -1.79	18.64 0.48 -2.68	18.36 0.48 -2.88	20.98 0.54 -1.81	22.63 0.53 -0.92	24.08 0.49 -3.14	24.50 0.47 -2.42	24.90 0.57 -2.43	23.28 0.70 -0.79	22.96 0.50 -0.82	22.60 0.51 -0.78	23.00 0.49 -1.27	26.44 0.54 -2.34	28.56 0.58 -3.76	29.85 0.80 -3.38	29.80 0.89 -2.83	26.32 1.09 0.17	22.25 0.47 -1.20	19.62 0.46 -4.22
PJM_GEN_NEPTUNE_PROXY 323594	23.00 1.66 -6.15	21.42 1.40 -6.84	20.15 1.15 -7.73	19.28 0.95 -8.67	19.58 1.13 -6.56	19.90 1.45 -2.83	21.21 1.49 -4.24	20.98 1.43 -4.56	23.41 1.92 -2.85	27.51 2.18 -4.14	29.67 2.04 -7.18	31.23 2.16 -7.46	30.30 2.21 -6.19	28.47 2.25 -4.44	28.85 2.19 -5.02	28.23 2.17 -4.74	29.63 2.17 -6.22	32.86 2.45 -6.86	35.77 2.54 -9.01	38.43 2.72 -10.04	41.74 2.84 -12.82	31.36 2.74 -3.22	25.11 2.12 -2.41	23.15 1.52 -6.68
PJM_GEN_VFT_PROXY 323633	22.76 1.41 -6.15	21.23 1.21 -6.83	20.01 1.01 -7.73	19.15 0.82 -8.66	19.42 0.98 -6.55	19.71 1.26 -2.83	20.99 1.27 -4.24	20.85 1.29 -4.56	23.13 1.64 -2.85	24.41 1.78 -1.45	27.11 1.70 -4.96	27.53 1.84 -4.09	27.95 1.86 -4.18	25.06 1.90 -1.38	24.89 1.86 -1.38	24.37 1.83 -1.23	25.09 1.85 -2.00	29.28 2.03 -3.70	32.53 2.18 -6.14	33.36 2.34 -5.35	33.16 2.48 -4.60	27.76 2.36 0.00	24.42 1.81 -2.03	22.95 1.33 -6.68
PLATSBRG_115KV_PMLD1 355749	14.19 -1.03 -0.03	12.34 -0.88 -0.03	10.54 -0.77 -0.04	9.04 -0.67 -0.04	11.12 -0.80 -0.03	14.57 -1.06 -0.01	14.50 -1.01 -0.02	14.08 -0.95 -0.02	17.47 -1.17 -0.01	20.02 -1.16 -0.01	19.37 -1.10 -0.02	20.50 -1.12 -0.02	20.76 -1.16 -0.02	20.64 -1.16 -0.01	20.48 -1.17 -0.01	20.08 -1.24 -0.01	20.06 -1.19 -0.01	22.21 -1.37 -0.02	22.77 -1.48 -0.03	23.34 -1.62 0.71	23.41 -1.70 0.98	23.10 -1.65 0.65	19.25 -1.34 -0.01	14.01 -0.96 -0.03
PLEASANTVLY__LBMP 24000	22.72 1.23 -6.29	21.24 1.05 -6.99	20.08 0.90 -7.91	19.29 0.75 -8.87	19.50 0.90 -6.71	19.69 1.17 -2.90	20.98 1.16 -4.34	20.80 1.14 -4.66	23.03 1.47 -2.92	24.30 1.63 -1.49	27.10 1.57 -5.08	27.49 1.69 -4.20	27.93 1.73 -4.29	24.95 1.74 -1.41	24.75 1.69 -1.42	24.25 1.68 -1.26	24.95 1.66 -2.05	29.18 1.84 -3.78	32.39 1.89 -6.29	33.21 2.05 -5.48	32.94 2.14 -4.73	27.50 2.08 -0.02	24.15 1.52 -2.06	22.77 1.09 -6.74
PLSNTVLE_13_KV_13.8KVDIST 80602	22.75 1.37 -6.19	21.23 1.16 -6.88	20.04 0.99 -7.78	19.21 0.82 -8.72	19.48 0.99 -6.60	19.73 1.27 -2.85	21.02 1.27 -4.27	20.83 1.25 -4.59	23.13 1.62 -2.87	24.42 1.78 -1.46	27.16 1.72 -5.00	27.59 1.86 -4.13	28.03 1.91 -4.22	25.10 1.92 -1.39	24.91 1.86 -1.40	24.38 1.83 -1.24	25.11 1.85 -2.02	29.33 2.05 -3.72	32.51 2.11 -6.18	33.35 2.28 -5.39	33.13 2.40 -4.65	27.73 2.31 -0.02	24.31 1.71 -2.02	22.81 1.24 -6.63

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	22.75 1.37 -6.19	21.23 1.16 -6.88	20.04 0.99 -7.78	19.21 0.82 -8.72	19.48 0.99 -6.60	19.73 1.27 -2.85	21.02 1.27 -4.27	20.83 1.25 -4.59	23.13 1.62 -2.87	24.42 1.78 -1.46	27.16 1.72 -5.00	27.59 1.86 -4.13	28.03 1.91 -4.22	25.10 1.92 -1.39	24.91 1.86 -1.40	24.38 1.83 -1.24	25.11 1.85 -2.02	29.33 2.05 -3.72	32.51 2.11 -6.18	33.35 2.28 -5.39	33.13 2.40 -4.65	27.73 2.31 -0.02	24.31 1.71 -2.02	22.81 1.24 -6.63
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.75 1.32 -6.24	21.25 1.13 -6.93	20.08 0.97 -7.84	19.25 0.80 -8.79	19.51 0.98 -6.65	19.74 1.25 -2.87	21.02 1.24 -4.30	20.82 1.20 -4.62	23.09 1.57 -2.89	24.39 1.74 -1.48	27.18 1.70 -5.03	27.58 1.81 -4.16	28.02 1.86 -4.25	25.05 1.85 -1.40	24.85 1.80 -1.41	24.33 1.77 -1.25	25.06 1.78 -2.03	29.26 1.96 -3.75	32.48 2.03 -6.23	33.29 2.18 -5.43	33.08 2.32 -4.68	27.65 2.24 -0.02	24.24 1.63 -2.04	22.78 1.17 -6.68
POLETTI____ 23519	22.80 1.44 -6.17	21.28 1.24 -6.85	20.07 1.05 -7.75	19.21 0.86 -8.69	19.50 1.03 -6.57	19.78 1.33 -2.84	21.05 1.32 -4.25	20.91 1.34 -4.57	23.19 1.70 -2.86	24.48 1.84 -1.46	27.16 1.74 -4.98	27.60 1.88 -4.12	28.04 1.93 -4.21	25.14 1.96 -1.39	24.94 1.90 -1.39	24.44 1.90 -1.23	25.14 1.89 -2.01	29.34 2.07 -3.71	32.55 2.18 -6.16	33.38 2.34 -5.37	33.19 2.48 -4.63	27.78 2.36 -0.02	24.42 1.83 -2.01	22.88 1.34 -6.60
PORT_JEFF_3 23555	23.18 1.84 -6.15	21.59 1.57 -6.84	20.27 1.27 -7.73	19.38 1.05 -8.67	19.69 1.25 -6.56	20.07 1.62 -2.83	21.39 1.67 -4.24	21.13 1.57 -4.56	23.61 2.12 -2.85	29.93 2.43 -6.31	31.60 2.19 -8.96	34.07 2.29 -10.18	32.06 2.35 -7.81	31.09 2.40 -6.90	31.94 2.34 -7.95	31.21 2.32 -7.58	33.20 2.34 -9.62	35.64 2.68 -9.40	38.35 2.81 -11.32	42.53 3.03 -13.83	48.65 3.13 -19.45	34.18 2.97 -5.81	25.58 2.28 -2.72	23.31 1.69 -6.68
PORT_JEFF_4 23616	23.18 1.84 -6.15	21.59 1.57 -6.84	20.27 1.27 -7.73	19.38 1.05 -8.67	19.69 1.25 -6.56	20.07 1.62 -2.83	21.39 1.67 -4.24	21.13 1.57 -4.56	23.61 2.12 -2.85	29.93 2.43 -6.31	31.60 2.19 -8.96	34.07 2.29 -10.18	32.06 2.35 -7.81	31.09 2.40 -6.90	31.94 2.34 -7.95	31.21 2.32 -7.58	33.20 2.34 -9.62	35.64 2.68 -9.40	38.35 2.81 -11.32	42.53 3.03 -13.83	48.65 3.13 -19.45	34.18 2.97 -5.81	25.58 2.28 -2.72	23.31 1.69 -6.68
PORT_JEFF_IC 23713	23.20 1.85 -6.15	21.60 1.58 -6.84	20.28 1.28 -7.73	19.39 1.06 -8.67	19.71 1.26 -6.56	20.09 1.64 -2.83	21.41 1.69 -4.24	21.13 1.57 -4.56	23.63 2.14 -2.85	29.95 2.46 -6.31	31.64 2.23 -8.96	34.09 2.31 -10.18	32.10 2.39 -7.81	31.11 2.42 -6.90	31.96 2.36 -7.95	31.25 2.37 -7.58	33.24 2.38 -9.62	35.69 2.73 -9.40	38.39 2.86 -11.32	42.55 3.05 -13.83	48.71 3.18 -19.45	34.23 3.02 -5.81	25.60 2.30 -2.72	23.32 1.70 -6.68
PPL PILGRIM_ST_GT1 24216	23.24 1.90 -6.15	21.63 1.61 -6.84	20.32 1.32 -7.73	19.42 1.09 -8.67	19.74 1.30 -6.56	20.14 1.69 -2.83	21.45 1.73 -4.24	21.19 1.64 -4.56	23.68 2.20 -2.85	30.01 2.52 -6.31	31.74 2.33 -8.96	34.22 2.44 -10.18	32.21 2.50 -7.81	31.20 2.51 -6.90	32.04 2.45 -7.95	31.34 2.45 -7.58	33.32 2.46 -9.62	35.78 2.83 -9.40	38.49 2.95 -11.32	42.68 3.18 -13.83	48.79 3.26 -19.45	34.36 3.15 -5.81	25.70 2.41 -2.72	23.38 1.76 -6.68
PPL PILGRIM_ST_GT2 24217	23.24 1.90 -6.15	21.63 1.61 -6.84	20.32 1.32 -7.73	19.42 1.09 -8.67	19.74 1.30 -6.56	20.14 1.69 -2.83	21.45 1.73 -4.24	21.19 1.64 -4.56	23.68 2.20 -2.85	30.01 2.52 -6.31	31.74 2.33 -8.96	34.22 2.44 -10.18	32.21 2.50 -7.81	31.20 2.51 -6.90	32.04 2.45 -7.95	31.34 2.45 -7.58	33.32 2.46 -9.62	35.78 2.83 -9.40	38.49 2.95 -11.32	42.68 3.18 -13.83	48.79 3.26 -19.45	34.36 3.15 -5.81	25.70 2.41 -2.72	23.38 1.76 -6.68
PPL_SHRM_GT3 24213	23.08 1.73 -6.15	21.50 1.48 -6.84	20.18 1.18 -7.73	19.31 0.98 -8.67	19.60 1.15 -6.56	19.95 1.50 -2.83	21.27 1.55 -4.24	21.01 1.45 -4.56	23.52 2.03 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.88 2.02 -9.62	35.29 2.33 -9.40	37.98 2.44 -11.32	42.17 2.67 -13.83	48.32 2.79 -19.45	33.80 2.59 -5.81	25.35 2.06 -2.72	23.17 1.55 -6.68
PPL_SHRM_GT4 24214	23.08 1.73 -6.15	21.50 1.48 -6.84	20.18 1.18 -7.73	19.31 0.98 -8.67	19.60 1.15 -6.56	19.95 1.50 -2.83	21.27 1.55 -4.24	21.01 1.45 -4.56	23.52 2.03 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.88 2.02 -9.62	35.29 2.33 -9.40	37.98 2.44 -11.32	42.17 2.67 -13.83	48.32 2.79 -19.45	33.80 2.59 -5.81	25.35 2.06 -2.72	23.17 1.55 -6.68
PROJECT____ORANGE 1 24174	15.91 0.09 -0.63	13.95 0.07 -0.70	12.11 0.06 -0.79	10.58 0.03 -0.88	12.62 0.06 -0.67	15.98 0.08 -0.29	15.99 0.08 -0.43	15.54 0.08 -0.47	19.00 0.07 -0.29	21.41 0.08 -0.15	21.04 0.08 -0.51	22.09 0.06 -0.42	22.43 0.09 -0.43	22.02 0.09 -0.14	21.88 0.09 -0.14	21.52 0.09 -0.13	21.53 0.08 -0.20	24.00 0.07 -0.38	24.92 0.07 -0.63	26.39 0.13 -0.59	26.77 0.16 -0.53	25.54 0.10 -0.04	20.78 0.00 -0.21	15.67 0.06 -0.67
PROJECT____ORANGE 2 24166	15.91 0.09 -0.63	13.95 0.07 -0.70	12.11 0.06 -0.79	10.58 0.03 -0.88	12.62 0.06 -0.67	15.98 0.08 -0.29	15.99 0.08 -0.43	15.54 0.08 -0.47	19.00 0.07 -0.29	21.41 0.08 -0.15	21.04 0.08 -0.51	22.09 0.06 -0.42	22.43 0.09 -0.43	22.02 0.09 -0.14	21.88 0.09 -0.14	21.52 0.09 -0.13	21.53 0.08 -0.20	24.00 0.07 -0.38	24.92 0.07 -0.63	26.39 0.13 -0.59	26.77 0.16 -0.53	25.54 0.10 -0.04	20.78 0.00 -0.21	15.67 0.06 -0.67
PUCKETT____SOLAR 323809	17.90 0.56 -2.15	16.06 0.49 -2.38	14.37 0.41 -2.70	13.03 0.34 -3.02	14.60 0.43 -2.29	17.18 0.58 -0.99	17.53 0.57 -1.48	17.16 0.57 -1.59	20.28 0.65 -1.00	22.37 0.68 -0.51	22.79 0.61 -1.73	23.68 0.65 -1.43	24.13 0.77 -1.46	23.10 0.83 -0.48	22.76 0.63 -0.48	22.38 0.64 -0.43	22.58 0.64 -0.70	25.58 0.73 -1.29	27.15 0.80 -2.14	28.51 0.98 -1.87	28.70 1.02 -1.61	26.57 1.17 0.00	21.89 0.62 -0.70	17.75 0.51 -2.30
PYRITES____HYD 24023	14.70 -0.56 -0.07	12.80 -0.46 -0.08	10.96 -0.39 -0.09	9.43 -0.33 -0.10	11.54 -0.43 -0.07	15.09 -0.56 -0.03	15.02 -0.51 -0.05	14.53 -0.53 -0.05	18.05 -0.61 -0.03	20.52 -0.68 -0.02	19.73 -0.78 -0.06	20.91 -0.73 -0.05	21.19 -0.77 -0.05	21.00 -0.81 -0.02	20.84 -0.82 -0.02	20.49 -0.83 -0.01	20.50 -0.76 -0.02	22.77 -0.82 -0.04	23.44 -0.85 -0.07	23.57 -0.95 1.15	23.47 -1.02 1.59	23.39 -0.94 1.07	19.96 -0.64 -0.02	14.52 -0.49 -0.07
QUAKERRD_115KV_BK1 80622	16.03 0.05 -0.79	14.10 0.04 -0.88	12.30 0.03 -0.99	10.81 0.03 -1.11	12.82 0.08 -0.84	16.09 0.11 -0.36	16.09 0.06 -0.54	15.63 0.05 -0.59	18.93 -0.07 -0.37	21.26 -0.11 -0.19	20.96 -0.12 -0.64	21.89 -0.22 -0.50	22.06 -0.35 -0.50	21.52 -0.44 -0.16	21.66 -0.15 -0.17	21.34 -0.13 -0.16	21.33 -0.17 -0.26	23.87 -0.16 -0.48	24.81 -0.17 -0.77	26.42 0.03 -0.72	26.78 0.08 -0.62	25.04 -0.36 0.00	20.66 -0.16 -0.24	15.83 0.04 -0.85

QUENSBRY_I15KV_TB8 356137	24.03 1.00 -7.83	22.74 0.86 -8.70	21.83 0.72 -9.84	21.32 0.63 -11.03	21.04 0.81 -8.34	20.31 1.09 -3.60	21.93 1.05 -5.39	21.84 1.04 -5.80	23.72 1.45 -3.63	24.77 1.74 -1.85	28.46 1.70 -6.32	28.53 1.71 -5.22	29.01 1.77 -5.33	25.31 1.77 -1.76	25.14 1.73 -1.76	24.54 1.66 -1.57	25.45 1.66 -2.55	30.12 1.86 -4.71	33.92 1.89 -7.82	34.52 2.03 -6.82	33.91 1.96 -5.87	27.34 1.93 -0.01	24.51 1.38 -2.55	24.26 0.94 -8.38
RAMAPO____LBMP 323565	22.53 1.29 -6.05	21.01 1.11 -6.72	19.80 0.94 -7.60	18.96 0.77 -8.52	19.27 0.94 -6.44	19.60 1.20 -2.78	20.84 1.19 -4.17	20.67 1.19 -4.48	22.97 1.53 -2.81	24.28 1.67 -1.43	26.94 1.62 -4.88	27.37 1.73 -4.04	27.80 1.77 -4.12	24.94 1.79 -1.36	24.74 1.73 -1.36	24.25 1.73 -1.21	24.93 1.72 -1.97	29.08 1.88 -3.64	32.22 1.96 -6.04	33.07 2.13 -5.27	32.89 2.27 -4.54	27.60 2.18 -0.02	24.18 1.63 -1.98	22.58 1.17 -6.47
RANKINE____ 23646	15.93 -0.41 -1.15	14.11 -0.36 -1.27	12.42 -0.29 -1.44	11.01 -0.27 -1.62	12.88 -0.24 -1.22	15.82 -0.33 -0.53	15.87 -0.40 -0.79	15.37 -0.48 -0.85	18.35 -0.82 -0.53	20.41 -1.04 -0.27	20.35 -1.02 -0.93	20.60 -1.17 -0.17	20.95 -0.96 -0.01	20.98 -0.78 0.03	20.55 -1.15 -0.05	20.43 -1.11 -0.23	20.47 -1.15 -0.37	23.00 -1.25 -0.69	23.76 -1.19 -0.73	25.70 -1.00 -1.03	25.75 -0.94 -0.61	24.25 -0.58 0.56	19.58 -1.09 -0.09	15.69 -0.48 -1.23
RAVENSWOOD_GT2_1 24244	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT2_2 24245	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT2_3 24246	22.80 1.46 -6.15	21.27 1.25 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.62 1.92 -4.09	28.06 1.97 -4.18	25.17 2.00 -1.38	24.98 1.95 -1.38	24.48 1.94 -1.23	25.18 1.93 -2.00	29.40 2.14 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
RAVENSWOOD_GT2_4 24247	22.80 1.46 -6.15	21.27 1.25 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.21 1.80 -4.96	27.62 1.92 -4.09	28.06 1.97 -4.18	25.17 2.00 -1.38	24.98 1.95 -1.38	24.48 1.94 -1.23	25.18 1.93 -2.00	29.40 2.14 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.98 1.36 -6.68
RAVENSWOOD_GT3_1 24248	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT3_2 24249	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT3_3 24250	22.82 1.47 -6.15	21.27 1.25 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.23 1.82 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.20 1.95 -2.00	29.40 2.14 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.24 2.56 -4.60	27.84 2.44 0.00	24.48 1.87 -2.03	22.99 1.37 -6.68
RAVENSWOOD_GT3_4 24251	22.82 1.47 -6.15	21.27 1.25 -6.83	20.07 1.07 -7.73	19.21 0.88 -8.66	19.49 1.05 -6.55	19.79 1.34 -2.83	21.08 1.36 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.23 1.82 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.00 1.97 -1.38	24.50 1.96 -1.23	25.20 1.95 -2.00	29.40 2.14 -3.70	32.60 2.25 -6.14	33.43 2.41 -5.35	33.24 2.56 -4.60	27.84 2.44 0.00	24.48 1.87 -2.03	22.99 1.37 -6.68
RAVENSWOOD_GT_1 23729	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.60 2.25 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.52 1.91 -2.03	23.06 1.43 -6.69
RAVENSWOOD_GT_10 24258	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT_11 24259	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT_4 24252	22.78 1.43 -6.16	21.25 1.23 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.88 1.32 -4.56	23.18 1.70 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.44 1.83 -2.03	22.95 1.33 -6.68

RAVENSWOOD_GT_5 24254	22.78 1.43 -6.16	21.25 1.23 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.88 1.32 -4.56	23.18 1.70 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.44 1.83 -2.03	22.95 1.33 -6.68
RAVENSWOOD_GT_6 24253	22.78 1.43 -6.16	21.25 1.23 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.88 1.32 -4.56	23.18 1.70 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.44 1.83 -2.03	22.95 1.33 -6.68
RAVENSWOOD_GT_7 24255	22.78 1.43 -6.16	21.25 1.23 -6.83	20.05 1.05 -7.73	19.19 0.86 -8.66	19.47 1.02 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.88 1.32 -4.56	23.18 1.70 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.60 1.90 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.44 1.83 -2.03	22.95 1.33 -6.68
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD_GT_9 24257	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.05 1.33 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.03 1.95 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.46 1.92 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD___1 23533	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.60 2.25 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.52 1.91 -2.03	23.06 1.43 -6.69
RAVENSWOOD___2 23534	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.60 2.25 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.52 1.91 -2.03	23.06 1.43 -6.69
RAVENSWOOD___3 23535	22.80 1.46 -6.15	21.26 1.24 -6.83	20.06 1.06 -7.73	19.20 0.87 -8.66	19.48 1.03 -6.55	19.77 1.33 -2.83	21.07 1.35 -4.24	20.89 1.33 -4.56	23.20 1.71 -2.85	24.50 1.86 -1.45	27.19 1.78 -4.96	27.62 1.92 -4.09	28.06 1.97 -4.18	25.15 1.98 -1.38	24.98 1.95 -1.38	24.48 1.94 -1.23	25.18 1.93 -2.00	29.37 2.12 -3.70	32.58 2.23 -6.14	33.41 2.39 -5.35	33.18 2.50 -4.60	27.81 2.41 0.00	24.46 1.85 -2.03	22.97 1.34 -6.68
RAVENSWOOD___4 23820	22.89 1.53 -6.16	21.33 1.31 -6.83	20.11 1.12 -7.73	19.25 0.92 -8.66	19.54 1.09 -6.55	19.84 1.39 -2.83	21.10 1.38 -4.24	20.91 1.35 -4.56	23.22 1.73 -2.85	24.52 1.88 -1.45	27.21 1.80 -4.96	27.64 1.95 -4.09	28.08 1.99 -4.18	25.20 2.03 -1.38	25.02 1.99 -1.38	24.52 1.98 -1.23	25.22 1.98 -2.00	29.42 2.17 -3.70	32.60 2.25 -6.14	33.41 2.39 -5.35	33.21 2.53 -4.60	27.84 2.44 0.00	24.52 1.91 -2.03	23.06 1.43 -6.69
RCPL_TRUST___DRP 24196	22.82 1.46 -6.17	21.29 1.25 -6.85	20.09 1.07 -7.75	19.23 0.88 -8.69	19.51 1.05 -6.57	19.80 1.34 -2.84	21.08 1.35 -4.25	20.92 1.35 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.24 1.82 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.21 1.95 -2.01	29.41 2.14 -3.71	32.63 2.25 -6.16	33.46 2.41 -5.37	33.27 2.56 -4.63	27.85 2.44 -0.02	24.46 1.87 -2.01	22.90 1.36 -6.60
RED___ROCHESTER 323720	16.23 0.21 -0.82	14.29 0.18 -0.92	12.46 0.16 -1.04	10.96 0.14 -1.16	12.98 0.21 -0.88	16.28 0.28 -0.38	16.27 0.22 -0.57	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.20	21.19 0.08 -0.67	22.13 -0.02 -0.55	22.36 -0.11 -0.56	21.80 -0.18 -0.18	21.92 0.09 -0.19	21.58 0.11 -0.17	21.55 0.04 -0.27	24.15 0.09 -0.50	25.11 0.07 -0.82	26.72 0.33 -0.72	27.11 0.42 -0.62	25.35 -0.05 0.00	20.87 0.02 -0.27	16.05 0.22 -0.89
REGAN___SOLAR 323812	25.26 1.40 -8.67	24.01 1.19 -9.64	23.16 0.99 -10.90	22.73 0.85 -12.22	22.23 1.09 -9.24	21.11 1.50 -3.99	22.96 1.50 -5.97	22.84 1.41 -6.43	24.39 1.73 -4.02	25.20 1.97 -2.05	29.02 1.57 -7.00	29.04 1.66 -5.77	29.49 1.69 -5.89	25.37 1.64 -1.94	25.20 1.60 -1.95	24.65 1.60 -1.74	25.81 1.74 -2.83	30.94 2.17 -5.21	35.24 2.37 -8.65	35.78 2.57 -7.54	35.15 2.58 -6.49	28.04 2.64 0.00	25.56 2.16 -2.83	25.73 1.51 -9.28
RENSSELAER___COGEN 23796	23.14 0.53 -7.42	21.90 0.47 -8.24	21.01 0.42 -9.32	20.49 0.38 -10.45	20.27 0.48 -7.91	19.66 0.63 -3.41	21.18 0.59 -5.11	21.10 0.60 -5.50	22.86 0.78 -3.44	23.80 0.87 -1.75	27.27 0.84 -5.99	27.43 0.89 -4.94	27.87 0.92 -5.04	24.37 0.92 -1.66	24.20 0.89 -1.67	23.67 0.87 -1.49	24.53 0.87 -2.42	28.98 0.97 -4.46	32.58 0.97 -7.40	33.18 1.05 -6.45	32.70 1.07 -5.55	26.44 1.04 0.00	23.79 0.80 -2.42	23.41 0.54 -7.94
REPUBLIC_115KV_BARTNBRK 55605	24.60 1.58 -7.82	23.24 1.36 -8.69	22.24 1.14 -9.83	21.67 0.99 -11.02	21.51 1.28 -8.34	20.97 1.75 -3.60	22.61 1.73 -5.39	22.52 1.73 -5.80	24.65 2.38 -3.63	25.91 2.88 -1.85	29.42 2.66 -6.31	29.54 2.72 -5.21	30.04 2.80 -5.33	26.36 2.81 -1.75	26.16 2.75 -1.76	25.52 2.64 -1.57	26.41 2.61 -2.55	31.18 2.92 -4.70	34.98 2.95 -7.81	35.64 3.16 -6.81	35.00 3.05 -5.87	28.43 3.02 -0.01	25.37 2.24 -2.55	24.88 1.57 -8.37
REVERE_CPPR_DRP 24186	15.88 0.35 -0.33	13.86 0.30 -0.37	11.95 0.26 -0.42	10.36 0.22 -0.47	12.52 0.27 -0.36	16.15 0.37 -0.15	16.10 0.39 -0.23	15.61 0.36 -0.25	19.18 0.39 -0.16	21.64 0.38 -0.08	21.02 0.31 -0.27	22.22 0.39 -0.23	22.60 0.46 -0.23	22.31 0.44 -0.08	22.07 0.35 -0.08	21.70 0.32 -0.07	21.73 0.38 -0.11	24.25 0.49 -0.20	25.16 0.61 -0.34	26.83 0.69 -0.46	27.24 0.68 -0.48	26.19 0.63 -0.15	21.18 0.49 -0.11	15.65 0.36 -0.36

REYNOLDS_115KV_TB3 80639	23.30 0.70 -7.41	22.02 0.61 -8.23	21.10 0.53 -9.31	20.56 0.46 -10.43	20.36 0.58 -7.89	19.79 0.77 -3.41	21.34 0.76 -5.10	21.21 0.72 -5.49	23.04 0.97 -3.44	24.03 1.10 -1.75	27.49 1.06 -5.98	27.64 1.10 -4.94	28.09 1.14 -5.04	24.59 1.13 -1.66	24.44 1.13 -1.67	23.90 1.11 -1.48	24.74 1.08 -2.41	29.21 1.20 -4.45	32.82 1.21 -7.39	33.45 1.33 -6.45	32.96 1.33 -5.55	26.73 1.32 -0.01	24.00 1.01 -2.42	23.55 0.69 -7.93
RIVERBAY____ 323610	23.03 1.66 -6.18	21.45 1.41 -6.85	20.24 1.22 -7.75	19.37 1.01 -8.69	19.69 1.22 -6.57	19.97 1.51 -2.84	21.16 1.42 -4.25	20.95 1.38 -4.57	23.28 1.79 -2.86	24.55 1.91 -1.46	27.14 1.72 -4.98	27.58 1.86 -4.12	28.00 1.88 -4.21	25.10 1.92 -1.39	24.92 1.88 -1.39	24.42 1.88 -1.23	25.12 1.87 -2.01	29.31 2.05 -3.71	32.51 2.13 -6.16	33.33 2.28 -5.37	33.14 2.43 -4.63	27.75 2.34 -0.02	24.52 1.93 -2.01	23.03 1.49 -6.60
RIVERSDE_115KV_TB3 55908	23.25 0.59 -7.46	21.99 0.51 -8.29	21.10 0.45 -9.38	20.58 0.41 -10.51	20.35 0.51 -7.95	19.74 0.69 -3.43	21.27 0.65 -5.14	21.17 0.65 -5.53	22.95 0.86 -3.46	23.92 0.97 -1.76	27.41 0.94 -6.02	27.57 0.99 -4.97	27.99 1.01 -5.08	24.49 1.02 -1.67	24.32 1.00 -1.68	23.78 0.98 -1.49	24.63 0.96 -2.43	29.10 1.06 -4.49	32.73 1.07 -7.45	33.32 1.16 -6.50	32.82 1.15 -5.60	26.55 1.14 -0.01	23.90 0.88 -2.44	23.52 0.60 -7.99
ROARING____BROOK_WT_PWR 323790	14.31 -0.88 0.00	12.44 -0.75 0.00	10.63 -0.64 0.00	9.12 -0.54 0.00	11.21 -0.68 0.00	14.74 -0.87 0.00	14.62 -0.87 0.00	14.18 -0.83 0.00	17.61 -1.02 0.00	20.04 -1.14 0.00	19.32 -1.12 0.00	20.44 -1.17 0.00	20.72 -1.18 0.00	20.62 -1.18 0.00	20.52 -1.13 0.00	20.20 -1.11 0.00	20.14 -1.11 0.00	22.33 -1.23 0.00	22.95 -1.26 0.00	23.96 -1.36 0.35	24.28 -1.33 0.47	23.82 -1.27 0.31	19.61 -0.97 0.00	14.22 -0.72 0.00
ROCHESRG_115KV_T4 355643	16.08 0.08 -0.81	14.14 0.05 -0.90	12.34 0.06 -1.02	10.85 0.05 -1.14	12.86 0.11 -0.86	16.13 0.14 -0.37	16.13 0.09 -0.56	15.65 0.05 -0.60	18.92 -0.09 -0.38	21.22 -0.15 -0.19	20.96 -0.14 -0.65	21.85 -0.24 -0.48	21.99 -0.39 -0.47	21.47 -0.48 -0.15	21.64 -0.17 -0.16	21.32 -0.15 -0.16	21.29 -0.21 -0.26	23.85 -0.19 -0.49	24.79 -0.19 -0.77	26.43 0.03 -0.74	26.80 0.10 -0.62	24.99 -0.38 0.03	20.63 -0.19 -0.24	15.88 0.07 -0.87
ROCHESTER_9_IC 23652	16.16 0.15 -0.82	14.23 0.13 -0.91	12.41 0.11 -1.03	10.91 0.10 -1.15	12.93 0.17 -0.87	16.21 0.22 -0.38	16.22 0.17 -0.56	15.74 0.14 -0.61	19.01 0.00 -0.38	21.35 -0.02 -0.19	21.09 -0.02 -0.66	21.99 -0.11 -0.50	22.16 -0.24 -0.49	21.60 -0.35 -0.16	21.79 -0.02 -0.17	21.45 -0.02 -0.16	21.45 -0.06 -0.27	24.02 -0.02 -0.49	24.97 0.21 -0.78	26.62 0.21 -0.74	27.00 0.29 -0.63	25.18 -0.20 0.02	20.76 -0.06 -0.24	15.96 0.15 -0.87
ROCKVIEW_13_KV_LD 356306	22.77 1.41 -6.17	21.25 1.21 -6.85	20.05 1.03 -7.75	19.20 0.85 -8.69	19.49 1.02 -6.57	19.77 1.31 -2.84	21.05 1.32 -4.25	20.88 1.31 -4.57	23.19 1.70 -2.86	24.50 1.86 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.18 2.00 -1.39	24.99 1.95 -1.39	24.46 1.92 -1.23	25.19 1.93 -2.01	29.41 2.14 -3.71	32.60 2.23 -6.16	33.43 2.39 -5.37	33.24 2.53 -4.63	27.83 2.41 -0.02	24.40 1.81 -2.01	22.84 1.30 -6.60
ROME____115KV_TB2 80656	15.88 0.35 -0.33	13.86 0.30 -0.37	11.95 0.26 -0.42	10.36 0.22 -0.47	12.52 0.27 -0.36	16.15 0.37 -0.15	16.10 0.39 -0.23	15.61 0.36 -0.25	19.18 0.39 -0.16	21.64 0.38 -0.08	21.02 0.31 -0.27	22.22 0.39 -0.23	22.60 0.46 -0.23	22.31 0.44 -0.08	22.07 0.35 -0.08	21.70 0.32 -0.07	21.73 0.38 -0.11	24.25 0.49 -0.20	25.16 0.61 -0.34	26.83 0.69 -0.46	27.24 0.68 -0.48	26.19 0.63 -0.15	21.18 0.49 -0.11	15.65 0.36 -0.36
ROSETON____1 23587	22.56 1.20 -6.17	21.07 1.03 -6.86	19.90 0.88 -7.76	19.09 0.73 -8.69	19.35 0.88 -6.58	19.60 1.14 -2.84	20.86 1.13 -4.25	20.68 1.11 -4.57	22.93 1.43 -2.86	24.23 1.59 -1.46	26.96 1.53 -4.98	27.35 1.64 -4.11	27.79 1.69 -4.19	24.88 1.70 -1.38	24.68 1.64 -1.39	24.16 1.62 -1.24	24.89 1.64 -2.01	29.06 1.79 -3.71	32.24 1.86 -6.16	33.04 2.00 -5.37	32.81 2.11 -4.62	27.43 2.03 0.00	24.13 1.52 -2.04	22.72 1.09 -6.69
ROSETON____2 23588	22.56 1.20 -6.17	21.07 1.03 -6.86	19.90 0.88 -7.76	19.09 0.73 -8.69	19.35 0.88 -6.58	19.60 1.14 -2.84	20.86 1.13 -4.25	20.68 1.11 -4.57	22.93 1.43 -2.86	24.23 1.59 -1.46	26.96 1.53 -4.98	27.35 1.64 -4.11	27.79 1.69 -4.19	24.88 1.70 -1.38	24.68 1.64 -1.39	24.16 1.62 -1.24	24.89 1.64 -2.01	29.06 1.79 -3.71	32.24 1.86 -6.16	33.04 2.00 -5.37	32.81 2.11 -4.62	27.43 2.03 0.00	24.13 1.52 -2.04	22.72 1.09 -6.69
ROTTSDAM_115KV_TB3 80664	23.87 0.73 -7.94	22.63 0.62 -8.83	21.78 0.53 -9.98	21.31 0.45 -11.19	20.93 0.57 -8.47	20.04 0.77 -3.66	21.70 0.74 -5.47	21.61 0.72 -5.88	23.27 0.95 -3.69	24.16 1.10 -1.88	27.90 1.04 -6.41	27.96 1.06 -5.29	28.41 1.10 -5.41	24.69 1.11 -1.78	24.52 1.08 -1.79	23.97 1.07 -1.59	24.89 1.06 -2.59	29.51 1.18 -4.78	33.38 1.23 -7.93	33.92 1.33 -6.91	33.36 1.33 -5.96	26.73 1.32 -0.01	24.20 1.03 -2.59	24.16 0.72 -8.50
RUSSELL____1 23602	16.22 0.21 -0.82	14.28 0.18 -0.91	12.45 0.16 -1.03	10.95 0.14 -1.15	12.98 0.21 -0.87	16.27 0.28 -0.38	16.26 0.22 -0.56	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.19	21.19 0.08 -0.66	22.10 0.00 -0.50	22.27 -0.13 -0.50	21.74 -0.22 -0.16	21.90 0.09 -0.17	21.58 0.11 -0.16	21.55 0.04 -0.27	24.14 0.09 -0.49	25.09 0.10 -0.78	26.75 0.33 -0.74	27.15 0.44 -0.63	25.33 -0.05 0.02	20.84 0.02 -0.24	16.04 0.22 -0.87
RUSSELL____2 23532	16.22 0.21 -0.82	14.28 0.18 -0.91	12.45 0.16 -1.03	10.95 0.14 -1.15	12.98 0.21 -0.87	16.27 0.28 -0.38	16.26 0.22 -0.56	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.19	21.19 0.08 -0.66	22.10 0.00 -0.50	22.27 -0.13 -0.50	21.74 -0.22 -0.16	21.90 0.09 -0.17	21.58 0.11 -0.16	21.55 0.04 -0.27	24.14 0.09 -0.49	25.09 0.10 -0.78	26.75 0.33 -0.74	27.15 0.44 -0.63	25.33 -0.05 0.02	20.84 0.02 -0.24	16.04 0.22 -0.87
RUSSELL____3 23549	16.22 0.21 -0.82	14.28 0.18 -0.91	12.45 0.16 -1.03	10.95 0.14 -1.15	12.98 0.21 -0.87	16.27 0.28 -0.38	16.26 0.22 -0.56	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.19	21.19 0.08 -0.66	22.10 0.00 -0.50	22.27 -0.13 -0.50	21.74 -0.22 -0.16	21.90 0.09 -0.17	21.58 0.11 -0.16	21.55 0.04 -0.27	24.14 0.09 -0.49	25.09 0.10 -0.78	26.75 0.33 -0.74	27.15 0.44 -0.63	25.33 -0.05 0.02	20.84 0.02 -0.24	16.04 0.22 -0.87
RUSSELL____4 23556	16.22 0.21 -0.82	14.28 0.18 -0.91	12.45 0.16 -1.03	10.95 0.14 -1.15	12.98 0.21 -0.87	16.27 0.28 -0.38	16.26 0.22 -0.56	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.19	21.19 0.08 -0.66	22.10 0.00 -0.50	22.27 -0.13 -0.50	21.74 -0.22 -0.16	21.90 0.09 -0.17	21.58 0.11 -0.16	21.55 0.04 -0.27	24.14 0.09 -0.49	25.09 0.10 -0.78	26.75 0.33 -0.74	27.15 0.44 -0.63	25.33 -0.05 0.02	20.84 0.02 -0.24	16.04 0.22 -0.87

RUSSELL___STATION 23914	16.22 0.21 -0.82	14.28 0.18 -0.91	12.45 0.16 -1.03	10.95 0.14 -1.15	12.98 0.21 -0.87	16.27 0.28 -0.38	16.26 0.22 -0.56	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.19	21.19 0.08 -0.66	22.10 0.00 -0.50	22.27 -0.13 -0.50	21.74 -0.22 -0.16	21.90 0.09 -0.17	21.58 0.11 -0.16	21.55 0.04 -0.27	24.14 0.09 -0.49	25.09 0.10 -0.78	26.75 0.33 -0.74	27.15 0.44 -0.63	25.33 -0.05 0.02	20.84 0.02 -0.24	16.04 0.22 -0.87
S SALMON___HYD 24043	15.59 -0.11 -0.50	13.65 -0.09 -0.56	11.81 -0.09 -0.63	10.29 -0.08 -0.71	12.33 -0.10 -0.53	15.71 -0.14 -0.23	15.66 -0.17 -0.35	15.16 -0.21 -0.37	18.55 -0.32 -0.23	20.94 -0.36 -0.12	20.54 -0.31 -0.40	21.63 -0.30 -0.33	21.94 -0.31 -0.34	21.56 -0.35 -0.11	21.41 -0.35 -0.11	21.03 -0.38 -0.10	21.02 -0.38 -0.16	23.48 -0.38 -0.30	24.38 -0.34 -0.50	26.20 -0.15 -0.68	26.65 -0.13 -0.70	25.41 -0.20 -0.21	20.51 -0.23 -0.16	15.34 -0.13 -0.54
S.PERRY__115KV_TB1 80734	16.80 0.50 -1.11	14.84 0.42 -1.23	13.01 0.35 -1.39	11.53 0.30 -1.56	13.49 0.42 -1.18	16.67 0.55 -0.51	16.74 0.50 -0.76	16.23 0.41 -0.82	19.33 0.19 -0.51	21.55 0.11 -0.26	21.42 0.08 -0.90	24.06 0.02 -2.43	24.89 0.02 -2.96	22.88 0.02 -1.06	22.54 0.04 -0.85	21.62 0.09 -0.22	21.71 0.11 -0.36	24.41 0.19 -0.67	26.89 0.39 -2.29	27.44 0.77 -0.99	28.64 0.89 -1.68	27.87 0.76 -1.71	22.05 0.31 -1.17	16.54 0.42 -1.19
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	15.88 -0.43 -1.12	14.06 -0.37 -1.24	12.37 -0.30 -1.40	10.97 -0.27 -1.57	12.84 -0.24 -1.19	15.79 -0.34 -0.51	15.83 -0.42 -0.77	15.32 -0.51 -0.83	18.27 -0.88 -0.52	20.36 -1.08 -0.26	20.28 -1.06 -0.90	20.54 -1.21 -0.15	20.73 -1.16 0.01	20.62 -1.13 0.04	20.50 -1.19 -0.04	20.38 -1.15 -0.22	20.40 -1.21 -0.36	22.91 -1.32 -0.67	23.66 -1.26 -0.70	25.59 -1.08 -1.00	25.68 -0.99 -0.59	23.84 -0.99 0.56	19.55 -1.11 -0.08	15.65 -0.48 -1.19
SAWYER__23_KV_LOAD 55526	15.88 -0.43 -1.12	14.06 -0.37 -1.24	12.37 -0.30 -1.40	10.97 -0.27 -1.57	12.84 -0.24 -1.19	15.79 -0.34 -0.51	15.83 -0.42 -0.77	15.32 -0.51 -0.83	18.27 -0.88 -0.52	20.36 -1.08 -0.26	20.28 -1.06 -0.90	20.54 -1.21 -0.15	20.73 -1.16 0.01	20.62 -1.13 0.04	20.50 -1.19 -0.04	20.38 -1.15 -0.22	20.40 -1.21 -0.36	22.91 -1.32 -0.67	23.66 -1.26 -0.70	25.59 -1.08 -1.00	25.68 -0.99 -0.59	23.84 -0.99 0.56	19.55 -1.11 -0.08	15.65 -0.48 -1.19
SELKIRK___I 23801	23.10 0.62 -7.28	21.82 0.54 -8.09	20.89 0.47 -9.15	20.34 0.42 -10.26	20.18 0.54 -7.76	19.69 0.72 -3.35	21.18 0.68 -5.01	21.07 0.68 -5.39	22.91 0.89 -3.38	23.92 1.02 -1.72	27.28 0.96 -5.87	27.46 1.02 -4.85	27.88 1.03 -4.95	24.47 1.05 -1.63	24.30 1.02 -1.64	23.75 0.98 -1.46	24.59 0.98 -2.37	29.02 1.08 -4.38	32.57 1.09 -7.26	33.18 1.18 -6.33	32.70 1.17 -5.45	26.57 1.17 0.00	23.87 0.93 -2.37	23.37 0.64 -7.79
SELKIRK___II 23799	23.14 0.59 -7.35	21.87 0.51 -8.17	20.96 0.45 -9.24	20.42 0.40 -10.36	20.23 0.50 -7.84	19.66 0.66 -3.38	21.18 0.64 -5.07	21.08 0.63 -5.45	22.86 0.82 -3.41	23.83 0.91 -1.74	27.26 0.88 -5.93	27.43 0.93 -4.89	27.84 0.94 -5.00	24.40 0.96 -1.65	24.23 0.93 -1.65	23.70 0.92 -1.47	24.53 0.89 -2.40	28.99 1.01 -4.42	32.57 1.02 -7.33	33.17 1.10 -6.39	32.70 1.12 -5.50	26.51 1.12 0.00	23.83 0.86 -2.39	23.40 0.60 -7.87
SENECA OSWGO___HYD 24041	15.66 -0.09 -0.55	13.72 -0.08 -0.62	11.89 -0.08 -0.70	10.37 -0.08 -0.78	12.40 -0.08 -0.59	15.76 -0.11 -0.25	15.74 -0.12 -0.38	15.31 -0.10 -0.41	18.72 -0.17 -0.26	21.12 -0.19 -0.13	20.73 -0.16 -0.45	21.78 -0.19 -0.37	22.11 -0.18 -0.38	21.72 -0.20 -0.12	21.56 -0.22 -0.12	21.21 -0.21 -0.11	21.19 -0.23 -0.18	23.63 -0.26 -0.33	24.52 -0.24 -0.55	26.02 -0.21 -0.56	26.41 -0.18 -0.52	25.21 -0.25 -0.07	20.51 -0.25 -0.18	15.40 -0.13 -0.59
SENECA___115KV_TB3 355854	15.94 -0.40 -1.15	14.12 -0.34 -1.27	12.43 -0.28 -1.44	11.02 -0.26 -1.62	12.89 -0.23 -1.22	15.83 -0.31 -0.53	15.88 -0.39 -0.79	15.38 -0.47 -0.85	18.36 -0.80 -0.53	20.43 -1.02 -0.27	20.37 -1.00 -0.93	20.63 -1.14 -0.17	20.97 -0.94 -0.01	21.00 -0.76 0.03	20.57 -1.13 -0.05	20.45 -1.09 -0.23	20.49 -1.13 -0.37	23.02 -1.22 -0.69	23.78 -1.16 -0.73	25.72 -0.98 -1.03	25.78 -0.91 -0.61	24.27 -0.56 0.56	19.60 -1.07 -0.09	15.72 -0.45 -1.23
SENECA___ENERGY 23797	16.20 0.14 -0.87	14.28 0.13 -0.96	12.46 0.10 -1.09	10.96 0.07 -1.22	12.93 0.12 -0.93	16.19 0.17 -0.40	16.24 0.15 -0.60	15.81 0.17 -0.64	19.15 0.11 -0.40	21.49 0.11 -0.21	21.23 0.08 -0.70	22.51 0.04 -0.86	22.95 0.09 -0.96	22.21 0.09 -0.33	22.01 0.07 -0.29	21.57 0.09 -0.17	21.61 0.09 -0.28	24.20 0.12 -0.52	25.42 0.15 -1.06	26.74 0.31 -0.76	27.18 0.31 -0.78	25.93 0.25 -0.28	21.01 0.02 -0.42	15.99 0.12 -0.93
SHOEMAKER___GT 23640	22.19 1.12 -5.87	20.67 0.96 -6.52	19.47 0.82 -7.38	18.61 0.68 -8.27	18.97 0.82 -6.26	19.38 1.06 -2.70	20.58 1.05 -4.05	20.37 1.02 -4.35	22.68 1.32 -2.72	24.01 1.44 -1.39	26.62 1.43 -4.74	27.05 1.53 -3.91	27.45 1.56 -3.99	24.68 1.57 -1.31	24.48 1.51 -1.32	24.00 1.51 -1.18	24.69 1.53 -1.91	28.76 1.67 -3.53	31.82 1.74 -5.86	32.65 1.87 -5.11	32.48 2.01 -4.39	27.38 1.98 0.00	23.91 1.40 -1.94	22.32 1.02 -6.37
SHOEMAKR_138KV_BK 111 55601	22.25 1.12 -5.93	20.74 0.96 -6.59	19.54 0.82 -7.45	18.70 0.68 -8.36	19.03 0.82 -6.32	19.41 1.06 -2.73	20.62 1.05 -4.09	20.42 1.02 -4.39	22.71 1.32 -2.75	24.04 1.46 -1.40	26.66 1.43 -4.79	27.10 1.53 -3.96	27.51 1.56 -4.04	24.70 1.57 -1.33	24.50 1.52 -1.34	23.99 1.49 -1.19	24.71 1.53 -1.93	28.79 1.67 -3.57	31.86 1.72 -5.92	32.71 1.87 -5.17	32.52 1.98 -4.46	27.37 1.96 -0.02	23.93 1.42 -1.94	22.30 1.02 -6.35
SHOREHAM_IC_1 23715	23.08 1.73 -6.15	21.50 1.48 -6.84	20.18 1.18 -7.73	19.31 0.98 -8.67	19.60 1.15 -6.56	19.95 1.50 -2.83	21.27 1.55 -4.24	21.01 1.45 -4.56	23.52 2.03 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.88 2.02 -9.62	35.29 2.33 -9.40	37.98 2.44 -11.32	42.17 2.67 -13.83	48.32 2.79 -19.45	33.80 2.59 -5.81	25.35 2.06 -2.72	23.17 1.55 -6.68
SHOREHAM_IC_2 23716	23.08 1.73 -6.15	21.50 1.48 -6.84	20.18 1.18 -7.73	19.31 0.98 -8.67	19.60 1.15 -6.56	19.95 1.50 -2.83	21.27 1.55 -4.24	21.01 1.45 -4.56	23.52 2.03 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.88 2.02 -9.62	35.29 2.33 -9.40	37.98 2.44 -11.32	42.17 2.67 -13.83	48.32 2.79 -19.45	33.80 2.59 -5.81	25.35 2.06 -2.72	23.17 1.55 -6.68
SISSONVILLE___ 23735	14.37 -0.90 -0.07	12.50 -0.76 -0.08	10.72 -0.64 -0.09	9.22 -0.55 -0.10	11.28 -0.69 -0.08	14.75 -0.91 -0.03	14.67 -0.87 -0.05	14.20 -0.86 -0.05	17.62 -1.04 -0.03	20.05 -1.14 -0.02	19.34 -1.17 -0.06	20.46 -1.19 -0.05	20.73 -1.23 -0.05	20.57 -1.24 -0.02	20.43 -1.23 -0.02	20.07 -1.26 -0.01	20.08 -1.19 -0.02	22.30 -1.30 -0.04	22.93 -1.36 -0.07	22.95 -1.51 1.21	22.84 -1.56 1.68	22.77 -1.50 1.12	19.49 -1.11 -0.02	14.20 -0.82 -0.08

SITHE_IND_GS1 24169	15.41 -0.23 -0.44	13.48 -0.20 -0.49	11.64 -0.18 -0.56	10.13 -0.16 -0.62	12.18 -0.18 -0.47	15.59 -0.23 -0.20	15.54 -0.25 -0.30	15.09 -0.24 -0.33	18.52 -0.32 -0.21	20.92 -0.36 -0.10	20.44 -0.37 -0.36	21.49 -0.41 -0.29	21.81 -0.39 -0.30	21.48 -0.41 -0.10	21.36 -0.39 -0.10	21.02 -0.38 -0.09	21.01 -0.38 -0.14	23.40 -0.42 -0.27	24.22 -0.44 -0.44	25.64 -0.41 -0.38	26.02 -0.39 -0.33	24.94 -0.46 0.00	20.33 -0.39 -0.14	15.17 -0.24 -0.47
SITHE_IND_GS2 24170	15.41 -0.23 -0.44	13.48 -0.20 -0.49	11.64 -0.18 -0.56	10.13 -0.16 -0.62	12.18 -0.18 -0.47	15.59 -0.23 -0.20	15.54 -0.25 -0.30	15.09 -0.24 -0.33	18.52 -0.32 -0.21	20.92 -0.36 -0.10	20.44 -0.37 -0.36	21.49 -0.41 -0.29	21.81 -0.39 -0.30	21.48 -0.41 -0.10	21.36 -0.39 -0.10	21.02 -0.38 -0.09	21.01 -0.38 -0.14	23.40 -0.42 -0.27	24.22 -0.44 -0.44	25.64 -0.41 -0.38	26.02 -0.39 -0.33	24.94 -0.46 0.00	20.33 -0.39 -0.14	15.17 -0.24 -0.47
SITHE_IND_GS3 24171	15.41 -0.23 -0.44	13.48 -0.20 -0.49	11.64 -0.18 -0.56	10.13 -0.16 -0.62	12.18 -0.18 -0.47	15.59 -0.23 -0.20	15.54 -0.25 -0.30	15.09 -0.24 -0.33	18.52 -0.32 -0.21	20.92 -0.36 -0.10	20.44 -0.37 -0.36	21.49 -0.41 -0.29	21.81 -0.39 -0.30	21.48 -0.41 -0.10	21.36 -0.39 -0.10	21.02 -0.38 -0.09	21.01 -0.38 -0.14	23.40 -0.42 -0.27	24.22 -0.44 -0.44	25.64 -0.41 -0.38	26.02 -0.39 -0.33	24.94 -0.46 0.00	20.33 -0.39 -0.14	15.17 -0.24 -0.47
SITHE_IND_GS4 24172	15.41 -0.23 -0.44	13.48 -0.20 -0.49	11.64 -0.18 -0.56	10.13 -0.16 -0.62	12.18 -0.18 -0.47	15.59 -0.23 -0.20	15.54 -0.25 -0.30	15.09 -0.24 -0.33	18.52 -0.32 -0.21	20.92 -0.36 -0.10	20.44 -0.37 -0.36	21.49 -0.41 -0.29	21.81 -0.39 -0.30	21.48 -0.41 -0.10	21.36 -0.39 -0.10	21.02 -0.38 -0.09	21.01 -0.38 -0.14	23.40 -0.42 -0.27	24.22 -0.44 -0.44	25.64 -0.41 -0.38	26.02 -0.39 -0.33	24.94 -0.46 0.00	20.33 -0.39 -0.14	15.17 -0.24 -0.47
SITHE___BATAVIA 24024	16.14 0.02 -0.93	14.25 0.03 -1.04	12.46 0.02 -1.17	11.01 0.03 -1.31	12.99 0.11 -0.99	16.17 0.12 -0.43	16.17 0.05 -0.64	15.64 -0.04 -0.69	18.79 -0.28 -0.43	20.98 -0.42 -0.22	20.73 -0.47 -0.75	21.17 -0.48 -0.04	21.34 -0.46 0.11	21.20 -0.52 0.07	21.13 -0.52 -0.01	21.01 -0.49 -0.19	21.02 -0.53 -0.30	23.62 -0.50 -0.56	24.48 -0.27 -0.53	26.35 -0.13 -0.81	26.50 0.00 -0.42	24.73 -0.10 0.56	20.32 -0.29 -0.03	15.97 0.03 -1.00
SITHE___INDEPEND 23800	15.41 -0.23 -0.44	13.48 -0.20 -0.49	11.65 -0.18 -0.56	10.14 -0.15 -0.63	12.19 -0.18 -0.47	15.59 -0.23 -0.20	15.54 -0.25 -0.31	15.09 -0.24 -0.33	18.52 -0.32 -0.21	20.93 -0.36 -0.11	20.44 -0.37 -0.36	21.51 -0.39 -0.29	21.78 -0.42 -0.30	21.48 -0.41 -0.10	21.36 -0.39 -0.10	21.02 -0.38 -0.09	21.01 -0.38 -0.14	23.40 -0.42 -0.27	24.22 -0.44 -0.44	25.68 -0.41 -0.42	26.06 -0.39 -0.37	24.96 -0.46 -0.02	20.33 -0.39 -0.14	15.17 -0.24 -0.48
SITHE___MASSENA 23902	14.86 -0.33 0.00	12.91 -0.28 0.00	11.04 -0.23 0.00	9.47 -0.19 0.00	11.64 -0.25 0.00	15.29 -0.33 0.00	15.17 -0.31 0.00	14.70 -0.30 0.00	18.26 -0.37 0.00	20.80 -0.38 0.00	20.02 -0.43 0.00	21.17 -0.43 0.00	21.44 -0.46 0.00	21.33 -0.46 0.00	21.19 -0.46 0.00	20.84 -0.47 0.00	20.80 -0.45 0.00	23.06 -0.50 0.00	23.68 -0.53 0.00	24.13 -0.64 0.90	24.17 -0.68 1.23	23.99 -0.61 0.80	20.18 -0.39 0.00	14.65 -0.28 0.00
SITHE___OGDNSBRG 24021	14.84 -0.41 -0.06	12.91 -0.34 -0.06	11.05 -0.29 -0.07	9.50 -0.24 -0.08	11.63 -0.32 -0.06	15.24 -0.41 -0.03	15.14 -0.39 -0.04	14.65 -0.39 -0.04	18.19 -0.47 -0.03	20.69 -0.51 -0.01	19.92 -0.57 -0.05	21.10 -0.54 -0.04	21.38 -0.57 -0.04	21.20 -0.61 -0.01	21.05 -0.61 -0.01	20.70 -0.62 -0.01	20.69 -0.57 -0.02	23.00 -0.59 -0.04	23.67 -0.61 -0.06	23.94 -0.69 1.04	23.92 -0.73 1.43	23.78 -0.66 0.96	20.14 -0.45 -0.02	14.64 -0.36 -0.06
SITHE___STERLING 23777	15.94 0.33 -0.42	13.94 0.29 -0.46	12.04 0.25 -0.52	10.46 0.21 -0.59	12.60 0.26 -0.44	16.17 0.36 -0.19	16.14 0.37 -0.29	15.66 0.35 -0.31	19.20 0.37 -0.19	21.66 0.38 -0.10	21.09 0.31 -0.34	22.25 0.37 -0.28	22.63 0.44 -0.28	22.32 0.44 -0.09	22.11 0.37 -0.09	21.73 0.34 -0.08	21.76 0.38 -0.14	24.25 0.45 -0.25	25.16 0.53 -0.42	26.80 0.64 -0.48	27.18 0.62 -0.48	26.11 0.61 -0.11	21.16 0.45 -0.14	15.73 0.34 -0.45
SLEIGHT__34_KV_TB1 80719	16.59 0.58 -0.82	14.63 0.53 -0.91	12.74 0.44 -1.03	11.16 0.34 -1.16	13.21 0.44 -0.88	16.60 0.61 -0.38	16.67 0.62 -0.57	16.25 0.65 -0.61	19.76 0.75 -0.38	22.24 0.87 -0.19	21.91 0.80 -0.66	23.00 0.82 -0.58	23.33 0.83 -0.60	22.78 0.78 -0.20	22.69 0.84 -0.20	22.31 0.83 -0.16	22.32 0.81 -0.27	24.90 0.85 -0.49	25.95 0.90 -0.84	27.45 1.03 -0.75	27.80 1.04 -0.68	26.35 0.89 -0.06	21.47 0.62 -0.28	16.35 0.54 -0.88
SOUTH CAIRO___GT 23612	22.97 0.71 -7.07	21.65 0.61 -7.85	20.68 0.53 -8.88	20.08 0.46 -9.96	20.03 0.61 -7.53	19.70 0.83 -3.25	21.17 0.82 -4.87	21.03 0.79 -5.24	22.96 1.04 -3.28	24.06 1.21 -1.67	27.38 1.23 -5.70	27.60 1.30 -4.70	28.05 1.34 -4.80	24.64 1.26 -1.58	24.47 1.23 -1.59	23.90 1.17 -1.41	24.78 1.23 -2.30	29.19 1.39 -4.25	32.69 1.43 -7.05	33.33 1.51 -6.15	32.96 1.59 -5.29	26.97 1.58 0.00	23.95 1.07 -2.31	23.23 0.72 -7.58
SOUTH HAMPTN___IC 23720	23.30 1.96 -6.15	21.70 1.67 -6.84	20.35 1.35 -7.73	19.44 1.11 -8.67	19.77 1.32 -6.56	20.17 1.72 -2.83	21.50 1.78 -4.24	21.22 1.66 -4.56	23.80 2.31 -2.85	30.14 2.65 -6.31	31.74 2.33 -8.96	34.22 2.44 -10.18	32.19 2.47 -7.81	31.18 2.48 -6.90	32.02 2.42 -7.95	31.32 2.43 -7.58	33.30 2.44 -9.62	35.78 2.83 -9.40	38.49 2.95 -11.32	42.71 3.21 -13.83	48.87 3.34 -19.45	34.33 3.12 -5.81	25.70 2.41 -2.72	23.40 1.78 -6.68
SOUTHDOW__115KV_TB1 355954	16.12 -0.32 -1.24	14.29 -0.28 -1.38	12.57 -0.26 -1.56	11.16 -0.26 -1.75	13.01 -0.20 -1.33	15.92 -0.27 -0.57	16.05 -0.29 -0.86	15.58 -0.35 -0.92	18.63 -0.58 -0.58	20.78 -0.70 -0.29	20.78 -0.67 -1.00	21.25 -0.82 -0.47	21.89 -0.39 -0.38	21.86 -0.04 -0.11	21.02 -0.78 -0.15	20.88 -0.68 -0.25	21.01 -0.64 -0.41	23.60 -0.71 -0.75	24.53 -0.68 -0.99	26.29 -0.49 -1.11	26.44 -0.44 -0.80	25.40 0.33 0.33	19.91 -0.91 -0.24	15.88 -0.39 -1.33
SOUTHOLD_69_KV_BK 2 55809	23.58 2.22 -6.17	21.93 1.89 -6.85	20.54 1.52 -7.75	19.61 1.26 -8.69	19.96 1.50 -6.57	20.41 1.95 -2.84	21.76 2.03 -4.25	21.49 1.92 -4.57	24.14 2.65 -2.86	30.55 3.05 -6.32	32.14 2.72 -8.98	34.68 2.87 -10.20	32.63 2.89 -7.83	31.60 2.90 -6.91	32.42 2.81 -7.96	31.68 2.79 -7.58	33.71 2.85 -9.62	36.29 3.32 -9.41	39.05 3.49 -11.35	43.27 3.75 -13.85	49.47 3.91 -19.48	34.91 3.68 -5.83	26.03 2.76 -2.70	23.57 2.03 -6.60
SOUTHOLD___IC 23719	23.56 2.22 -6.15	21.91 1.89 -6.84	20.52 1.52 -7.73	19.59 1.26 -8.67	19.94 1.50 -6.56	20.40 1.95 -2.83	21.75 2.03 -4.24	21.48 1.92 -4.56	24.13 2.64 -2.85	30.54 3.05 -6.31	32.13 2.72 -8.96	34.66 2.87 -10.18	32.60 2.89 -7.81	31.59 2.90 -6.90	32.41 2.81 -7.95	31.68 2.79 -7.58	33.71 2.85 -9.62	36.28 3.32 -9.40	39.00 3.46 -11.32	43.25 3.75 -13.83	49.44 3.91 -19.45	34.87 3.66 -5.81	26.05 2.76 -2.72	23.65 2.03 -6.68

SPIERFLS_115KV_TB 1 80737	23.96 0.93 -7.84	22.69 0.79 -8.71	21.78 0.66 -9.85	21.28 0.58 -11.04	20.99 0.75 -8.35	20.24 1.02 -3.61	21.84 0.96 -5.40	21.75 0.95 -5.81	23.59 1.32 -3.64	24.60 1.57 -1.85	28.30 1.53 -6.32	28.38 1.56 -5.22	28.84 1.60 -5.33	25.16 1.61 -1.76	24.97 1.56 -1.77	24.39 1.51 -1.57	25.28 1.49 -2.55	29.94 1.67 -4.71	33.76 1.72 -7.82	34.31 1.82 -6.82	33.73 1.77 -5.88	27.16 1.75 -0.01	24.39 1.26 -2.56	24.18 0.85 -8.39
ST LAWRENCE____ 23600	14.75 -0.44 0.00	12.82 -0.37 0.00	10.95 -0.32 0.00	9.40 -0.26 0.00	11.56 -0.33 0.00	15.18 -0.44 0.00	15.05 -0.43 0.00	14.58 -0.42 0.00	18.13 -0.50 0.00	20.63 -0.55 0.00	19.90 -0.55 0.00	21.04 -0.56 0.00	21.29 -0.61 0.00	21.18 -0.61 0.00	21.06 -0.58 0.00	20.71 -0.60 0.00	20.67 -0.57 0.00	22.92 -0.63 0.00	23.54 -0.68 0.00	24.07 -0.80 0.81	24.15 -0.84 1.10	23.92 -0.76 0.71	20.06 -0.51 0.00	14.54 -0.40 0.00
STATE_CA_115KV_115_LB 55624	23.32 0.58 -7.55	22.07 0.50 -8.39	21.19 0.44 -9.49	20.69 0.40 -10.63	20.43 0.50 -8.04	19.76 0.67 -3.47	21.32 0.63 -5.20	21.24 0.65 -5.59	22.97 0.84 -3.50	23.94 0.97 -1.78	27.46 0.92 -6.09	27.61 0.97 -5.03	28.05 1.01 -5.14	24.49 1.00 -1.69	24.34 1.00 -1.70	23.78 0.96 -1.51	24.66 0.96 -2.46	29.15 1.06 -4.54	32.79 1.04 -7.53	33.40 1.16 -6.57	32.89 1.15 -5.66	26.55 1.14 -0.01	23.90 0.86 -2.46	23.60 0.58 -8.08
STATE_ST_34_KV_LOAD 55959	16.28 0.24 -0.85	14.38 0.25 -0.94	12.54 0.21 -1.06	10.98 0.13 -1.19	12.98 0.19 -0.90	16.27 0.27 -0.39	16.36 0.29 -0.58	15.93 0.30 -0.63	19.38 0.35 -0.39	21.78 0.40 -0.20	21.70 0.57 -0.68	22.83 0.60 -0.63	23.20 0.64 -0.66	22.64 0.63 -0.22	22.44 0.58 -0.21	22.08 0.60 -0.17	22.11 0.59 -0.28	24.65 0.59 -0.51	25.73 0.63 -0.89	27.19 0.74 -0.77	27.52 0.73 -0.71	26.18 0.69 -0.10	21.15 0.27 -0.31	16.10 0.25 -0.90
STATION 5_MISC_HYD 23604	16.17 0.15 -0.82	14.23 0.13 -0.92	12.42 0.11 -1.04	10.92 0.10 -1.16	12.94 0.17 -0.88	16.22 0.22 -0.38	16.21 0.15 -0.57	15.75 0.13 -0.61	19.02 0.00 -0.38	21.35 -0.02 -0.19	21.09 -0.02 -0.67	22.02 -0.13 -0.55	22.25 -0.22 -0.56	21.67 -0.31 -0.18	21.81 -0.02 -0.19	21.45 -0.02 -0.17	21.45 -0.06 -0.27	24.03 -0.02 -0.50	24.99 -0.05 -0.82	26.59 0.20 -0.72	26.98 0.29 -0.62	25.19 -0.20 0.00	20.78 -0.06 -0.27	15.97 0.15 -0.89
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	16.33 0.30 -0.83	14.37 0.26 -0.92	12.53 0.21 -1.04	11.02 0.18 -1.17	13.04 0.26 -0.88	16.34 0.34 -0.38	16.38 0.33 -0.57	15.92 0.30 -0.61	19.28 0.26 -0.39	21.65 0.28 -0.20	21.34 0.22 -0.67	22.38 0.17 -0.60	22.64 0.11 -0.63	22.07 0.07 -0.21	22.09 0.24 -0.20	21.73 0.26 -0.17	21.73 0.21 -0.27	24.31 0.26 -0.50	25.37 0.29 -0.86	26.91 0.49 -0.75	27.31 0.55 -0.69	25.70 0.23 -0.08	21.03 0.16 -0.29	16.09 0.27 -0.89
STA_56_34_KV_BUS2_REV_LBMP_B 345033	16.16 0.15 -0.81	14.21 0.12 -0.90	12.40 0.11 -1.02	10.90 0.10 -1.14	12.92 0.17 -0.86	16.19 0.20 -0.37	16.21 0.17 -0.56	15.74 0.14 -0.60	19.03 0.02 -0.38	21.37 0.00 -0.19	21.10 0.00 -0.65	22.02 -0.09 -0.50	22.19 -0.22 -0.51	21.65 -0.31 -0.16	21.82 0.00 -0.17	21.49 0.02 -0.16	21.46 -0.04 -0.26	24.04 0.00 -0.49	25.00 0.00 -0.78	26.61 0.21 -0.74	27.00 0.29 -0.63	25.21 -0.18 0.01	20.78 -0.04 -0.25	15.95 0.15 -0.87
STA_56____34_KV_BUS2 355983	16.16 0.15 -0.81	14.21 0.12 -0.90	12.40 0.11 -1.02	10.90 0.10 -1.14	12.92 0.17 -0.86	16.19 0.20 -0.37	16.21 0.17 -0.56	15.74 0.14 -0.60	19.03 0.02 -0.38	21.37 0.00 -0.19	21.10 0.00 -0.65	22.02 -0.09 -0.50	22.19 -0.22 -0.51	21.65 -0.31 -0.16	21.82 0.00 -0.17	21.49 0.02 -0.16	21.46 -0.04 -0.26	24.04 0.00 -0.49	25.00 0.00 -0.78	26.61 0.21 -0.74	27.00 0.29 -0.63	25.21 -0.18 0.01	20.78 -0.04 -0.25	15.95 0.15 -0.87
STA_67____115KV_BK2 355882	16.13 0.12 -0.82	14.20 0.11 -0.91	12.38 0.09 -1.03	10.89 0.08 -1.15	12.91 0.15 -0.87	16.18 0.19 -0.38	16.18 0.14 -0.56	15.71 0.11 -0.60	18.97 -0.04 -0.38	21.31 -0.06 -0.19	21.04 -0.06 -0.66	21.92 -0.17 -0.49	22.09 -0.31 -0.49	21.56 -0.39 -0.16	21.73 -0.09 -0.17	21.41 -0.06 -0.16	21.40 -0.11 -0.27	23.95 -0.09 -0.49	24.90 -0.10 -0.78	26.54 0.13 -0.74	26.92 0.21 -0.63	25.12 -0.25 0.02	20.71 -0.10 -0.24	15.93 0.12 -0.87
STA_7____115KV_9TRANS 80674	16.22 0.21 -0.82	14.28 0.18 -0.91	12.45 0.16 -1.03	10.95 0.14 -1.15	12.98 0.21 -0.87	16.27 0.28 -0.38	16.26 0.22 -0.56	15.79 0.18 -0.61	19.09 0.07 -0.38	21.44 0.06 -0.19	21.19 0.08 -0.66	22.10 0.00 -0.50	22.27 -0.13 -0.50	21.74 -0.22 -0.16	21.90 0.09 -0.17	21.58 0.11 -0.16	21.55 0.04 -0.27	24.14 0.09 -0.49	25.09 0.10 -0.78	26.75 0.33 -0.74	27.15 0.44 -0.63	25.33 -0.05 0.02	20.84 0.02 -0.24	16.04 0.22 -0.87
STA_82____115KV_TB1 80780	16.15 0.14 -0.82	14.22 0.12 -0.91	12.40 0.10 -1.03	10.91 0.09 -1.16	12.92 0.15 -0.88	16.20 0.20 -0.38	16.20 0.15 -0.57	15.72 0.11 -0.61	19.00 -0.02 -0.38	21.33 -0.04 -0.19	21.07 -0.04 -0.66	21.98 -0.13 -0.51	22.13 -0.28 -0.51	21.59 -0.37 -0.17	21.75 -0.06 -0.17	21.43 -0.04 -0.16	21.43 -0.08 -0.27	23.98 -0.07 -0.49	24.96 -0.05 -0.79	26.57 0.15 -0.75	26.98 0.26 -0.64	25.16 -0.23 0.01	20.72 -0.10 -0.25	15.95 0.13 -0.88
STEEL____WIND 323596	15.89 -0.41 -1.10	14.06 -0.36 -1.23	12.36 -0.29 -1.39	10.96 -0.26 -1.55	12.84 -0.23 -1.18	15.80 -0.33 -0.51	15.84 -0.40 -0.76	15.34 -0.48 -0.82	18.33 -0.82 -0.51	20.42 -1.02 -0.26	20.32 -1.02 -0.89	19.92 -1.19 0.49	20.06 -1.01 0.84	20.60 -0.85 0.34	20.31 -1.15 0.18	20.45 -1.09 -0.22	20.48 -1.13 -0.36	22.99 -1.23 -0.66	23.28 -1.19 -0.25	25.63 -1.00 -0.96	25.38 -0.94 -0.24	23.60 -0.58 1.21	19.26 -1.09 0.22	15.66 -0.46 -1.18
STEPHTWN_115KV_BK_2 55603	23.27 0.68 -7.39	21.99 0.59 -8.21	21.08 0.52 -9.29	20.55 0.47 -10.41	20.36 0.59 -7.88	19.80 0.78 -3.40	21.33 0.76 -5.09	21.23 0.75 -5.48	23.07 1.01 -3.43	24.09 1.16 -1.75	27.52 1.10 -5.96	27.70 1.17 -4.93	28.14 1.20 -5.03	24.63 1.18 -1.66	24.48 1.17 -1.67	23.92 1.13 -1.48	24.76 1.10 -2.41	29.25 1.25 -4.44	32.85 1.26 -7.38	33.47 1.36 -6.43	32.95 1.33 -5.54	26.76 1.35 -0.01	24.04 1.05 -2.41	23.55 0.70 -7.91
STEBEN_REC_LFGE 323667	16.88 0.27 -1.42	14.98 0.22 -1.57	13.23 0.18 -1.78	11.78 0.12 -2.00	13.61 0.21 -1.51	16.55 0.28 -0.65	16.69 0.23 -0.98	16.26 0.21 -1.05	19.36 0.07 -0.66	21.52 0.00 -0.33	21.55 -0.04 -1.14	23.58 -0.11 -2.09	24.47 0.11 -2.45	22.97 0.31 -0.87	22.28 -0.09 -0.72	21.55 -0.04 -0.28	21.66 -0.04 -0.46	24.41 0.00 -0.85	26.52 0.10 -2.21	27.27 0.33 -1.26	28.06 0.34 -1.64	27.22 0.66 -1.16	21.29 -0.29 -1.01	16.45 0.00 -1.52
STONY____BROOK 24151	23.23 1.88 -6.15	21.62 1.59 -6.84	20.29 1.30 -7.73	19.40 1.07 -8.67	19.72 1.27 -6.56	20.10 1.65 -2.83	21.42 1.70 -4.24	21.16 1.61 -4.56	23.67 2.18 -2.85	29.97 2.48 -6.31	31.70 2.29 -8.96	34.18 2.40 -10.18	32.16 2.45 -7.81	31.18 2.48 -6.90	32.04 2.45 -7.95	31.32 2.43 -7.58	33.30 2.44 -9.62	35.76 2.80 -9.40	38.47 2.93 -11.32	42.65 3.16 -13.83	48.79 3.26 -19.45	34.31 3.10 -5.81	25.64 2.34 -2.72	23.35 1.73 -6.68

STURGEON_POOL_HYD 23609	22.75 1.22 -6.35	21.28 1.04 -7.05	20.12 0.88 -7.97	19.32 0.72 -8.94	19.51 0.86 -6.76	19.63 1.09 -2.92	20.94 1.08 -4.37	20.77 1.07 -4.70	22.96 1.38 -2.94	24.18 1.50 -1.50	27.00 1.43 -5.12	27.35 1.51 -4.23	27.79 1.56 -4.33	24.79 1.57 -1.43	24.59 1.52 -1.43	24.09 1.51 -1.27	24.84 1.53 -2.07	29.04 1.67 -3.82	32.29 1.74 -6.34	33.07 1.87 -5.53	32.88 2.03 -4.76	27.52 2.11 -0.02	24.13 1.48 -2.07	22.81 1.08 -6.79
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	22.39 1.22 -5.98	20.88 1.04 -6.65	19.68 0.89 -7.52	18.83 0.73 -8.43	19.16 0.89 -6.38	19.51 1.14 -2.75	20.74 1.13 -4.12	20.54 1.11 -4.43	22.84 1.43 -2.78	24.18 1.59 -1.41	26.79 1.51 -4.83	27.22 1.62 -3.99	27.65 1.66 -4.08	24.82 1.68 -1.34	24.62 1.62 -1.35	24.11 1.60 -1.20	24.81 1.61 -1.95	28.92 1.77 -3.60	32.03 1.84 -5.98	32.86 1.98 -5.21	32.69 2.11 -4.49	27.47 2.06 -0.02	24.07 1.54 -1.95	22.45 1.11 -6.40
SWANROAD_115KV_TB1 355699	15.56 -0.68 -1.05	13.76 -0.59 -1.17	12.09 -0.50 -1.32	10.72 -0.43 -1.48	12.58 -0.43 -1.12	15.51 -0.59 -0.48	15.54 -0.67 -0.72	15.01 -0.77 -0.78	17.91 -1.21 -0.49	19.97 -1.46 -0.25	19.84 -1.45 -0.85	20.53 -1.32 -0.24	20.67 -1.38 -0.14	20.41 -1.39 -0.02	20.12 -1.60 -0.08	19.97 -1.56 -0.21	19.99 -1.59 -0.34	22.42 -1.77 -0.63	23.59 -1.36 -0.73	25.07 -1.54 -0.94	25.20 -1.49 -0.61	23.59 -1.40 0.41	19.38 -1.32 -0.13	15.36 -0.70 -1.12
SYNERGY___BIOGAS 323694	16.14 0.02 -0.93	14.25 0.03 -1.04	12.46 0.02 -1.17	11.01 0.03 -1.31	12.99 0.11 -0.99	16.17 0.12 -0.43	16.17 0.05 -0.64	15.64 -0.04 -0.69	18.79 -0.28 -0.43	20.98 -0.42 -0.22	20.73 -0.47 -0.75	21.17 -0.48 -0.04	21.34 -0.46 0.11	21.20 -0.52 0.07	21.13 -0.52 -0.01	21.01 -0.49 -0.19	21.02 -0.53 -0.30	23.62 -0.50 -0.56	24.48 -0.27 -0.53	26.35 -0.13 -0.81	26.50 0.00 -0.42	24.73 -0.10 0.56	20.32 -0.29 -0.03	15.97 0.03 -1.00
SYRACUSE___ENERGY_ST1 323597	16.04 0.15 -0.70	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.73 0.09 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.67 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.24 0.17 -0.46	22.57 0.20 -0.47	22.14 0.20 -0.16	21.98 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.17 -0.42	25.08 0.17 -0.69	26.56 0.23 -0.66	26.90 0.23 -0.59	25.62 0.18 -0.05	20.86 0.06 -0.23	15.79 0.11 -0.75
SYRACUSE___ENERGY_ST2 323598	16.04 0.15 -0.70	14.09 0.13 -0.77	12.24 0.10 -0.87	10.71 0.07 -0.98	12.73 0.09 -0.74	16.08 0.14 -0.32	16.10 0.14 -0.48	15.67 0.15 -0.51	19.12 0.17 -0.32	21.53 0.19 -0.16	21.19 0.18 -0.56	22.24 0.17 -0.46	22.57 0.20 -0.47	22.14 0.20 -0.16	21.98 0.17 -0.16	21.64 0.19 -0.14	21.64 0.17 -0.23	24.14 0.17 -0.42	25.08 0.17 -0.69	26.56 0.23 -0.66	26.90 0.23 -0.59	25.62 0.18 -0.05	20.86 0.06 -0.23	15.79 0.11 -0.75
SYRACUSE___POWER 24017	16.04 0.11 -0.74	14.11 0.09 -0.83	12.27 0.07 -0.94	10.76 0.05 -1.05	12.76 0.07 -0.79	16.05 0.09 -0.34	16.09 0.09 -0.51	15.66 0.11 -0.55	19.09 0.11 -0.35	21.48 0.13 -0.18	21.15 0.10 -0.60	22.22 0.11 -0.51	22.56 0.13 -0.53	22.10 0.13 -0.17	21.95 0.13 -0.17	21.59 0.13 -0.15	21.61 0.13 -0.24	24.12 0.12 -0.45	25.11 0.15 -0.75	26.56 0.21 -0.69	26.91 0.21 -0.62	25.63 0.18 -0.05	20.87 0.04 -0.25	15.81 0.07 -0.80
TALLMAN_138KV_BK151 55660	22.58 1.34 -6.05	21.05 1.13 -6.73	19.84 0.97 -7.61	18.99 0.80 -8.53	19.30 0.96 -6.45	19.65 1.25 -2.79	20.88 1.22 -4.17	20.70 1.22 -4.48	23.03 1.58 -2.81	24.35 1.74 -1.43	27.01 1.68 -4.88	27.44 1.79 -4.04	27.87 1.84 -4.13	25.01 1.85 -1.36	24.81 1.80 -1.37	24.31 1.79 -1.21	25.00 1.78 -1.97	29.15 1.96 -3.64	32.29 2.03 -6.05	33.15 2.21 -5.27	32.95 2.32 -4.55	27.68 2.26 -0.02	24.24 1.69 -1.98	22.63 1.21 -6.48
TEALLAVE_115KV_TB7 355573	15.88 0.08 -0.62	13.92 0.05 -0.68	12.09 0.05 -0.77	10.56 0.03 -0.87	12.59 0.05 -0.66	15.96 0.06 -0.28	15.97 0.06 -0.42	15.52 0.06 -0.46	18.97 0.06 -0.29	21.39 0.06 -0.15	21.00 0.06 -0.50	22.06 0.04 -0.41	22.40 0.07 -0.42	22.00 0.07 -0.14	21.85 0.06 -0.14	21.50 0.06 -0.12	21.51 0.06 -0.20	23.97 0.05 -0.37	24.88 0.05 -0.62	26.38 0.13 -0.58	26.73 0.13 -0.52	25.52 0.08 -0.05	20.76 -0.02 -0.20	15.64 0.04 -0.66
TELGRAPH_34_KV_EAST 80808	15.90 -0.29 -0.99	14.04 -0.25 -1.10	12.31 -0.20 -1.25	10.88 -0.18 -1.40	12.81 -0.14 -1.06	15.87 -0.20 -0.46	15.89 -0.28 -0.68	15.37 -0.36 -0.73	18.40 -0.69 -0.46	20.55 -0.87 -0.23	20.35 -0.90 -0.80	21.05 -0.86 -0.31	21.24 -0.90 -0.23	20.91 -0.94 -0.05	20.75 -1.00 -0.10	20.55 -0.96 -0.20	20.57 -1.00 -0.32	23.09 -1.06 -0.60	24.16 -0.80 -0.75	25.77 -0.80 -0.89	26.02 -0.68 -0.62	24.32 -0.76 0.31	19.95 -0.78 -0.16	15.68 -0.31 -1.06
TEMPLE___115KV_TB 2 55572	15.91 0.09 -0.63	13.95 0.07 -0.70	12.11 0.06 -0.79	10.58 0.03 -0.88	12.62 0.06 -0.67	15.98 0.08 -0.29	15.99 0.08 -0.43	15.54 0.08 -0.47	19.00 0.07 -0.29	21.41 0.08 -0.15	21.04 0.08 -0.51	22.09 0.06 -0.42	22.43 0.09 -0.43	22.02 0.09 -0.14	21.88 0.09 -0.14	21.52 0.09 -0.13	21.53 0.08 -0.20	24.00 0.07 -0.38	24.92 0.07 -0.63	26.39 0.13 -0.59	26.77 0.16 -0.53	25.54 0.10 -0.04	20.78 0.00 -0.21	15.67 0.06 -0.67
TIANA___69_KV_BK 1 55817	23.26 1.90 -6.17	21.66 1.62 -6.85	20.33 1.31 -7.75	19.44 1.08 -8.69	19.75 1.28 -6.57	20.13 1.67 -2.84	21.45 1.72 -4.25	21.19 1.62 -4.57	23.73 2.24 -2.86	30.06 2.56 -6.32	31.65 2.23 -8.98	34.14 2.33 -10.20	32.12 2.39 -7.83	31.12 2.42 -6.91	31.94 2.34 -7.96	31.24 2.34 -7.58	33.22 2.36 -9.62	35.72 2.76 -9.41	38.45 2.88 -11.35	42.63 3.11 -13.85	48.79 3.23 -19.48	34.25 3.02 -5.83	25.60 2.33 -2.70	23.27 1.73 -6.60
TILDEN___115KV_TB1 80814	16.04 0.11 -0.74	14.11 0.09 -0.83	12.27 0.07 -0.94	10.76 0.05 -1.05	12.76 0.07 -0.79	16.05 0.09 -0.34	16.09 0.09 -0.51	15.66 0.11 -0.55	19.09 0.11 -0.35	21.48 0.13 -0.18	21.15 0.10 -0.60	22.22 0.11 -0.51	22.56 0.13 -0.53	22.10 0.13 -0.17	21.95 0.13 -0.17	21.59 0.13 -0.15	21.61 0.13 -0.24	24.12 0.12 -0.45	25.11 0.15 -0.75	26.56 0.21 -0.69	26.91 0.21 -0.62	25.63 0.18 -0.05	20.87 0.04 -0.25	15.81 0.07 -0.80
TRIGEN___CC 323695	23.05 1.69 -6.17	21.47 1.42 -6.85	20.19 1.17 -7.75	19.32 0.97 -8.69	19.62 1.15 -6.57	19.94 1.48 -2.84	21.25 1.52 -4.25	21.03 1.46 -4.57	23.45 1.96 -2.86	29.72 2.22 -6.32	31.53 2.11 -8.98	34.03 2.23 -10.20	32.04 2.30 -7.83	31.01 2.31 -6.91	31.86 2.25 -7.96	31.13 2.24 -7.58	33.10 2.23 -9.62	35.49 2.52 -9.41	38.15 2.59 -11.35	42.29 2.77 -13.85	48.45 2.89 -19.48	34.05 2.82 -5.83	25.41 2.14 -2.70	23.09 1.55 -6.60
TRINITY__115KV__ 4 BK 55933	23.17 0.55 -7.43	21.91 0.47 -8.25	21.03 0.43 -9.33	20.50 0.38 -10.46	20.28 0.48 -7.91	19.68 0.64 -3.42	21.20 0.60 -5.12	21.10 0.60 -5.50	22.88 0.80 -3.45	23.85 0.91 -1.76	27.30 0.86 -5.99	27.48 0.93 -4.95	27.90 0.94 -5.06	24.40 0.94 -1.67	24.25 0.93 -1.67	23.69 0.90 -1.49	24.56 0.89 -2.42	29.01 0.99 -4.46	32.62 0.99 -7.41	33.21 1.08 -6.46	32.72 1.07 -5.57	26.48 1.07 -0.01	23.82 0.82 -2.42	23.44 0.55 -7.95

UNION___PROCESSING_DRP 323587	16.15 0.14 -0.82	14.22 0.12 -0.92	12.40 0.10 -1.04	10.92 0.10 -1.16	12.93 0.17 -0.88	16.20 0.20 -0.38	16.21 0.15 -0.57	15.73 0.12 -0.61	19.00 -0.02 -0.38	21.33 -0.04 -0.19	21.07 -0.04 -0.66	21.98 -0.13 -0.51	22.15 -0.26 -0.51	21.59 -0.37 -0.16	21.77 -0.04 -0.17	21.43 -0.04 -0.16	21.43 -0.08 -0.27	24.00 -0.05 -0.50	24.96 -0.05 -0.79	26.60 0.18 -0.75	26.98 0.26 -0.64	25.16 -0.23 0.01	20.74 -0.08 -0.25	15.95 0.13 -0.88
UPPER HUDSON___HYD 24058	23.88 0.93 -7.76	22.60 0.79 -8.62	21.68 0.66 -9.75	21.18 0.58 -10.93	20.91 0.75 -8.27	20.20 1.01 -3.57	21.79 0.96 -5.35	21.70 0.95 -5.75	23.56 1.32 -3.60	24.58 1.57 -1.83	28.24 1.53 -6.26	28.32 1.56 -5.16	28.78 1.60 -5.27	25.12 1.59 -1.74	24.95 1.56 -1.75	24.38 1.51 -1.55	25.26 1.49 -2.53	29.89 1.67 -4.67	33.67 1.72 -7.74	34.24 1.82 -6.75	33.66 1.77 -5.81	27.15 1.75 0.00	24.36 1.26 -2.53	24.09 0.85 -8.30
UPPER RAQUET___HYD 24056	14.30 -0.90 0.00	12.42 -0.77 0.00	10.63 -0.64 0.00	9.11 -0.55 0.00	11.20 -0.69 0.00	14.71 -0.91 0.00	14.62 -0.87 0.00	14.15 -0.85 0.00	17.59 -1.04 0.00	20.04 -1.14 0.00	19.28 -1.16 0.00	20.44 -1.17 0.00	20.70 -1.20 0.00	20.55 -1.24 0.00	20.41 -1.23 0.00	20.05 -1.26 0.00	20.05 -1.19 0.00	22.26 -1.30 0.00	22.86 -1.36 0.00	22.78 -1.51 1.37	22.65 -1.56 1.87	22.69 -1.50 1.21	19.46 -1.11 0.00	14.12 -0.82 0.00
VALLEY44_115KV_TB2 355964	16.01 -0.49 -1.30	14.21 -0.42 -1.44	12.55 -0.35 -1.63	11.18 -0.32 -1.83	12.97 -0.31 -1.39	15.79 -0.42 -0.60	15.90 -0.48 -0.89	15.47 -0.50 -0.96	18.45 -0.78 -0.60	20.49 -1.00 -0.31	20.47 -1.02 -1.05	21.01 -1.17 -0.57	21.97 -0.44 -0.50	22.14 0.20 -0.15	20.69 -1.15 -0.19	20.44 -1.13 -0.26	20.52 -1.15 -0.42	23.09 -1.25 -0.78	24.07 -1.23 -1.09	25.83 -1.00 -1.16	26.01 -0.94 -0.87	25.84 0.71 0.26	19.73 -1.13 -0.28	15.76 -0.57 -1.39
VALLEY___115KV_TB 1-4 80826	15.12 -0.12 -0.05	13.14 -0.11 -0.06	11.24 -0.09 -0.06	9.66 -0.08 -0.07	11.85 -0.10 -0.05	15.52 -0.12 -0.02	15.39 -0.12 -0.03	14.92 -0.12 -0.04	18.51 -0.15 -0.02	21.02 -0.17 -0.01	20.28 -0.20 -0.04	21.44 -0.19 -0.03	21.74 -0.20 -0.03	21.61 -0.20 -0.01	21.44 -0.22 -0.01	21.11 -0.21 -0.01	21.05 -0.21 -0.02	23.33 -0.26 -0.03	24.02 -0.24 -0.05	25.49 -0.23 -0.05	25.89 -0.23 -0.05	25.25 -0.15 -0.01	20.55 -0.04 -0.02	14.98 -0.01 -0.05
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	19.21 0.82 -3.20	17.45 0.71 -3.56	15.90 0.61 -4.02	14.68 0.51 -4.51	15.93 0.63 -3.41	17.92 0.83 -1.47	18.54 0.85 -2.20	18.20 0.83 -2.37	21.18 1.06 -1.48	23.10 1.16 -0.76	24.28 1.25 -2.58	25.14 1.38 -2.15	25.60 1.49 -2.20	24.00 1.48 -0.73	23.72 1.34 -0.73	23.23 1.28 -0.64	23.58 1.30 -1.04	26.92 1.44 -1.92	28.90 1.48 -3.21	30.09 1.62 -2.80	30.20 1.70 -2.42	27.14 1.70 -0.04	22.72 1.09 -1.05	19.17 0.81 -3.42
VISCHER___FERRY HYD 24020	23.57 0.80 -7.58	22.30 0.70 -8.42	21.39 0.60 -9.52	20.85 0.51 -10.67	20.62 0.65 -8.07	19.96 0.86 -3.49	21.55 0.85 -5.22	21.42 0.81 -5.61	23.25 1.10 -3.52	24.24 1.27 -1.79	27.77 1.21 -6.11	27.90 1.25 -5.04	28.32 1.27 -5.15	24.77 1.29 -1.70	24.61 1.26 -1.70	24.06 1.24 -1.52	24.94 1.23 -2.47	29.48 1.37 -4.55	33.17 1.40 -7.56	33.77 1.51 -6.59	33.26 1.51 -5.67	26.90 1.50 0.00	24.17 1.13 -2.47	23.82 0.78 -8.11
V_A_10_SYNC_DSASP 323832	15.90 -0.21 -0.92	14.01 -0.20 -1.02	12.27 -0.16 -1.16	10.83 -0.14 -1.30	12.79 -0.08 -0.98	15.92 -0.13 -0.42	15.92 -0.20 -0.64	15.42 -0.27 -0.68	18.52 -0.54 -0.43	20.70 -0.70 -0.22	20.50 -0.70 -0.74	20.78 -0.84 -0.02	20.74 -1.01 0.15	20.60 -1.11 0.08	20.84 -0.80 0.00	20.73 -0.77 -0.18	20.74 -0.81 -0.30	23.24 -0.87 -0.55	23.85 -0.87 -0.50	25.83 -0.64 -0.80	25.91 -0.57 -0.41	23.66 -1.14 0.60	19.85 -0.74 -0.02	15.69 -0.24 -0.99
V_CMM_10_SYNC_DSASP 323787	14.81 -0.38 0.00	12.86 -0.33 0.00	11.00 -0.27 0.00	9.43 -0.23 0.00	11.59 -0.30 0.00	15.23 -0.39 0.00	15.11 -0.37 0.00	14.64 -0.36 0.00	18.19 -0.45 0.00	20.71 -0.47 0.00	19.96 -0.49 0.00	21.11 -0.50 0.00	21.38 -0.53 0.00	21.27 -0.52 0.00	21.13 -0.52 0.00	20.78 -0.53 0.00	20.73 -0.51 0.00	22.99 -0.57 0.00	23.61 -0.60 0.00	24.15 -0.72 0.81	24.22 -0.76 1.10	24.00 -0.68 0.71	20.12 -0.45 0.00	14.59 -0.34 0.00
V_CMP_10_SYNC_DSASP 323788	14.16 -1.03 0.00	12.30 -0.88 0.00	10.50 -0.77 0.00	9.00 -0.67 0.00	11.09 -0.80 0.00	14.55 -1.06 0.00	14.48 -1.01 0.00	14.06 -0.94 0.00	17.46 -1.17 0.00	20.02 -1.16 0.00	19.34 -1.10 0.00	20.50 -1.10 0.00	20.74 -1.16 0.00	20.64 -1.16 0.00	20.48 -1.17 0.00	20.07 -1.24 0.00	20.05 -1.19 0.00	22.19 -1.37 0.00	22.74 -1.48 0.00	23.21 -1.62 0.85	23.24 -1.69 1.15	23.00 -1.65 0.75	19.24 -1.34 0.00	13.98 -0.96 0.00
V_E_10_SYNC_DSASP 323830	18.26 1.06 -2.01	16.34 0.92 -2.23	14.58 0.79 -2.52	13.17 0.68 -2.83	14.86 0.83 -2.14	17.67 1.13 -0.92	18.06 1.19 -1.38	17.61 1.13 -1.49	20.85 1.28 -0.93	22.93 1.27 -0.47	23.23 1.16 -1.62	24.49 1.34 -1.55	25.01 1.47 -1.64	23.78 1.44 -0.55	23.38 1.21 -0.53	22.88 1.17 -0.40	23.15 1.25 -0.65	26.25 1.48 -1.21	28.03 1.67 -2.15	29.37 1.95 -1.75	29.72 2.04 -1.60	27.69 2.08 -0.21	22.73 1.40 -0.76	18.15 1.06 -2.15
V_F_30_NSYNC___DSASP 323816	23.88 0.96 -7.73	22.60 0.82 -8.59	21.69 0.70 -9.72	21.16 0.60 -10.90	20.90 0.77 -8.24	20.21 1.03 -3.56	21.82 1.01 -5.33	21.71 0.97 -5.73	23.54 1.32 -3.59	24.55 1.55 -1.83	28.18 1.49 -6.24	28.29 1.53 -5.15	28.74 1.58 -5.26	25.11 1.59 -1.73	24.95 1.56 -1.74	24.37 1.51 -1.55	25.27 1.51 -2.52	29.88 1.67 -4.65	33.65 1.72 -7.71	34.22 1.82 -6.73	33.69 1.82 -5.79	27.20 1.80 0.00	24.43 1.34 -2.52	24.14 0.93 -8.28
V_F_30_SYNC_DSASP 323786	23.31 0.58 -7.54	22.06 0.50 -8.37	21.18 0.44 -9.47	20.68 0.40 -10.62	20.42 0.50 -8.03	19.76 0.67 -3.47	21.31 0.64 -5.19	21.23 0.64 -5.58	22.97 0.84 -3.50	23.94 0.97 -1.78	27.45 0.92 -6.08	27.59 0.97 -5.02	28.04 1.01 -5.12	24.48 1.00 -1.69	24.34 1.00 -1.69	23.78 0.96 -1.51	24.66 0.96 -2.46	29.15 1.06 -4.53	32.77 1.04 -7.52	33.38 1.16 -6.55	32.84 1.12 -5.64	26.51 1.12 0.00	23.89 0.86 -2.45	23.58 0.58 -8.06
V_XM_10_SYNC_DSASP 323789	14.16 -1.03 0.00	12.30 -0.88 0.00	10.50 -0.77 0.00	9.00 -0.67 0.00	11.09 -0.80 0.00	14.55 -1.06 0.00	14.48 -1.01 0.00	14.06 -0.94 0.00	17.46 -1.17 0.00	20.02 -1.16 0.00	19.34 -1.10 0.00	20.50 -1.10 0.00	20.74 -1.16 0.00	20.64 -1.16 0.00	20.48 -1.17 0.00	20.07 -1.24 0.00	20.05 -1.19 0.00	22.19 -1.37 0.00	22.74 -1.48 0.00	23.21 -1.62 0.85	23.24 -1.69 1.15	23.00 -1.65 0.75	19.24 -1.34 0.00	13.98 -0.96 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	22.63 1.37 -6.07	21.10 1.17 -6.74	19.89 1.00 -7.62	19.03 0.82 -8.54	19.35 1.00 -6.46	19.69 1.28 -2.79	20.93 1.27 -4.18	20.75 1.26 -4.49	23.07 1.62 -2.81	24.41 1.80 -1.43	27.08 1.74 -4.90	27.51 1.86 -4.05	27.95 1.91 -4.14	25.07 1.92 -1.36	24.88 1.86 -1.37	24.36 1.83 -1.21	25.07 1.85 -1.98	29.23 2.03 -3.65	32.38 2.11 -6.06	33.21 2.26 -5.28	33.03 2.40 -4.56	27.75 2.34 -0.02	24.29 1.73 -1.98	22.68 1.25 -6.49

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.82 1.46 -6.17	21.29 1.25 -6.85	20.09 1.07 -7.75	19.23 0.88 -8.69	19.51 1.05 -6.57	19.80 1.34 -2.84	21.08 1.35 -4.25	20.92 1.35 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.24 1.82 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.01 1.97 -1.39	24.51 1.96 -1.23	25.21 1.95 -2.01	29.41 2.14 -3.71	32.63 2.25 -6.16	33.46 2.41 -5.37	33.27 2.56 -4.63	27.85 2.44 -0.02	24.46 1.87 -2.01	22.90 1.36 -6.60
W50THST__13_KV_LOAD 356117	22.88 1.52 -6.17	21.33 1.29 -6.85	20.12 1.10 -7.75	19.26 0.91 -8.69	19.55 1.08 -6.57	19.86 1.41 -2.84	21.14 1.41 -4.25	21.00 1.43 -4.57	23.32 1.83 -2.86	24.63 1.99 -1.46	27.33 1.90 -4.98	27.77 2.05 -4.12	28.21 2.10 -4.21	25.31 2.14 -1.39	25.12 2.08 -1.39	24.59 2.05 -1.23	25.31 2.06 -2.01	29.53 2.26 -3.71	32.75 2.37 -6.16	33.58 2.54 -5.37	33.37 2.66 -4.63	27.96 2.54 -0.02	24.54 1.95 -2.01	22.97 1.43 -6.60
WADING RIVER_IC_1 23522	23.06 1.72 -6.15	21.49 1.46 -6.84	20.17 1.17 -7.73	19.30 0.97 -8.67	19.59 1.14 -6.56	19.93 1.48 -2.83	21.25 1.53 -4.24	21.00 1.44 -4.56	23.50 2.01 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.86 2.00 -9.62	35.27 2.31 -9.40	37.96 2.42 -11.32	42.17 2.67 -13.83	48.29 2.76 -19.45	33.80 2.59 -5.81	25.33 2.04 -2.72	23.15 1.52 -6.68
WADING RIVER_IC_2 23547	23.06 1.72 -6.15	21.49 1.46 -6.84	20.17 1.17 -7.73	19.30 0.97 -8.67	19.59 1.14 -6.56	19.93 1.48 -2.83	21.25 1.53 -4.24	21.00 1.44 -4.56	23.50 2.01 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.86 2.00 -9.62	35.27 2.31 -9.40	37.96 2.42 -11.32	42.17 2.67 -13.83	48.29 2.76 -19.45	33.80 2.59 -5.81	25.33 2.04 -2.72	23.15 1.52 -6.68
WADING RIVER_IC_3 23601	23.06 1.72 -6.15	21.49 1.46 -6.84	20.17 1.17 -7.73	19.30 0.97 -8.67	19.59 1.14 -6.56	19.93 1.48 -2.83	21.25 1.53 -4.24	21.00 1.44 -4.56	23.50 2.01 -2.85	29.76 2.27 -6.31	31.29 1.88 -8.96	33.75 1.97 -10.18	31.72 2.01 -7.81	30.74 2.05 -6.90	31.59 1.99 -7.95	30.89 2.00 -7.58	32.86 2.00 -9.62	35.27 2.31 -9.40	37.96 2.42 -11.32	42.17 2.67 -13.83	48.29 2.76 -19.45	33.80 2.59 -5.81	25.33 2.04 -2.72	23.15 1.52 -6.68
WALDENNY_12_KV_BK2 80841	15.92 -0.41 -1.14	14.09 -0.36 -1.26	12.40 -0.29 -1.43	11.00 -0.27 -1.60	12.88 -0.23 -1.21	15.81 -0.33 -0.52	15.86 -0.40 -0.78	15.36 -0.48 -0.84	18.34 -0.82 -0.53	20.41 -1.04 -0.27	20.34 -1.02 -0.92	20.65 -1.12 -0.18	20.96 -0.96 -0.02	20.96 -0.81 0.03	20.57 -1.13 -0.05	20.45 -1.09 -0.23	20.49 -1.13 -0.37	23.01 -1.22 -0.68	23.83 -1.11 -0.73	25.69 -1.00 -1.02	25.75 -0.94 -0.61	24.24 -0.61 0.55	19.60 -1.07 -0.09	15.69 -0.46 -1.22
WALDEN__HYDRO 24148	22.60 1.32 -6.08	21.08 1.13 -6.76	19.87 0.96 -7.65	19.03 0.79 -8.57	19.34 0.96 -6.48	19.65 1.23 -2.80	20.90 1.22 -4.19	20.69 1.18 -4.51	22.96 1.51 -2.82	24.29 1.67 -1.44	26.95 1.60 -4.91	27.34 1.69 -4.05	27.77 1.73 -4.13	24.90 1.74 -1.36	24.70 1.69 -1.37	24.21 1.68 -1.22	24.95 1.72 -1.98	29.12 1.91 -3.66	32.29 2.01 -6.07	33.14 2.18 -5.29	32.98 2.35 -4.55	27.66 2.26 0.00	24.23 1.65 -2.01	22.73 1.20 -6.59
WARRENSBURG____ 23737	23.88 0.93 -7.76	22.60 0.79 -8.62	21.68 0.66 -9.75	21.18 0.58 -10.93	20.91 0.75 -8.27	20.20 1.01 -3.57	21.79 0.96 -5.35	21.70 0.95 -5.75	23.56 1.32 -3.60	24.58 1.57 -1.83	28.24 1.53 -6.26	28.32 1.56 -5.16	28.78 1.60 -5.27	25.12 1.59 -1.74	24.95 1.56 -1.75	24.38 1.51 -1.55	25.26 1.49 -2.53	29.89 1.67 -4.67	33.67 1.72 -7.74	34.24 1.82 -6.75	33.66 1.77 -5.81	27.15 1.75 0.00	24.36 1.26 -2.53	24.09 0.85 -8.30
WATERSIDE____6 8 9 23538	22.90 1.53 -6.18	21.35 1.31 -6.85	20.14 1.12 -7.75	19.27 0.92 -8.69	19.56 1.09 -6.57	19.85 1.39 -2.84	21.09 1.36 -4.25	20.92 1.35 -4.57	23.23 1.73 -2.86	24.52 1.89 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.21 2.03 -1.39	25.03 1.99 -1.39	24.53 1.98 -1.23	25.23 1.98 -2.01	29.43 2.17 -3.71	32.63 2.25 -6.16	33.43 2.39 -5.37	33.24 2.53 -4.63	27.85 2.44 -0.02	24.50 1.91 -2.01	22.97 1.43 -6.60
WATKINRD_115KV_LN8_ILLION 55919	15.27 0.03 -0.05	13.27 0.03 -0.06	11.35 0.02 -0.06	9.75 0.02 -0.07	11.98 0.04 -0.05	15.67 0.03 -0.02	15.56 0.05 -0.03	15.07 0.03 -0.04	18.69 0.04 -0.02	21.23 0.04 -0.01	20.49 0.00 -0.04	21.64 0.00 -0.03	21.96 0.02 -0.03	21.83 0.02 -0.01	21.66 0.00 -0.01	21.32 0.00 -0.01	21.26 0.00 -0.02	23.59 0.00 -0.03	24.29 0.02 -0.05	25.77 0.05 -0.05	26.18 0.05 -0.05	25.48 0.08 -0.01	20.69 0.10 -0.02	15.08 0.09 -0.05
WATSON____69_KV_BK 1 55734	23.35 1.99 -6.17	21.73 1.69 -6.85	20.40 1.37 -7.75	19.50 1.14 -8.69	19.82 1.36 -6.57	20.21 1.75 -2.84	21.53 1.80 -4.25	21.27 1.70 -4.57	23.79 2.29 -2.86	30.12 2.63 -6.32	31.84 2.41 -8.98	34.35 2.55 -10.20	32.34 2.61 -7.83	31.32 2.62 -6.91	32.16 2.55 -7.96	31.45 2.56 -7.58	33.44 2.57 -9.62	35.91 2.94 -9.41	38.64 3.08 -11.35	42.86 3.34 -13.85	49.00 3.44 -19.48	34.53 3.30 -5.83	25.80 2.53 -2.70	23.39 1.85 -6.60
WDELAWARE__HYD 323627	22.55 1.47 -5.88	20.99 1.27 -6.54	19.73 1.07 -7.39	18.83 0.88 -8.29	19.23 1.07 -6.27	19.70 1.37 -2.71	20.91 1.38 -4.05	20.68 1.32 -4.36	23.02 1.66 -2.73	24.41 1.84 -1.39	26.83 1.64 -4.75	27.27 1.75 -3.92	27.70 1.80 -4.00	24.90 1.79 -1.32	24.70 1.73 -1.32	24.17 1.68 -1.18	24.90 1.74 -1.92	29.03 1.93 -3.54	32.14 2.06 -5.87	33.02 2.23 -5.12	32.88 2.40 -4.40	27.71 2.31 0.00	24.30 1.79 -1.94	22.60 1.30 -6.36
WEST BABYLON__IC 23714	23.31 1.94 -6.17	21.69 1.65 -6.85	20.36 1.34 -7.75	19.47 1.11 -8.69	19.78 1.32 -6.57	20.17 1.72 -2.84	21.48 1.75 -4.25	21.22 1.65 -4.57	23.73 2.24 -2.86	30.06 2.56 -6.32	31.80 2.37 -8.98	34.31 2.51 -10.20	32.30 2.56 -7.83	31.30 2.59 -6.91	32.12 2.51 -7.96	31.41 2.51 -7.58	33.39 2.53 -9.62	35.86 2.90 -9.41	38.59 3.03 -11.35	42.78 3.26 -13.85	48.92 3.36 -19.48	34.45 3.23 -5.83	25.76 2.49 -2.70	23.35 1.81 -6.60
WEST CANADA__HYD 24049	15.36 0.06 -0.11	13.35 0.04 -0.12	11.45 0.05 -0.14	9.85 0.03 -0.16	12.06 0.05 -0.12	15.73 0.06 -0.05	15.62 0.06 -0.08	15.14 0.06 -0.08	18.76 0.07 -0.05	21.27 0.06 -0.03	20.60 0.06 -0.09	21.74 0.07 -0.07	22.05 0.07 -0.08	21.88 0.07 -0.02	21.74 0.07 -0.03	21.40 0.06 -0.02	21.34 0.06 -0.04	23.69 0.07 -0.07	24.40 0.07 -0.11	25.87 0.10 -0.10	26.27 0.10 -0.08	25.50 0.10 0.00	20.69 0.08 -0.04	15.12 0.06 -0.12
WESTERN_NY_WIND 24143	16.13 0.00 -0.94	14.23 0.00 -1.05	12.46 0.01 -1.18	11.00 0.01 -1.33	12.98 0.08 -1.00	16.14 0.09 -0.43	16.14 0.02 -0.65	15.62 -0.07 -0.70	18.75 -0.32 -0.44	20.94 -0.47 -0.22	20.70 -0.51 -0.76	21.09 -0.52 -0.01	21.25 -0.50 0.16	21.16 -0.54 0.09	21.08 -0.56 0.01	20.97 -0.53 -0.19	20.98 -0.57 -0.31	23.58 -0.54 -0.57	24.41 -0.32 -0.51	26.31 -0.18 -0.82	26.44 -0.05 -0.41	24.64 -0.15 0.61	20.28 -0.31 -0.01	15.95 0.00 -1.01

WESTOVER___LESR 323668	17.71 0.36 -2.15	15.89 0.32 -2.39	14.23 0.26 -2.70	12.90 0.21 -3.03	14.47 0.29 -2.29	16.98 0.37 -0.99	17.30 0.34 -1.48	16.94 0.35 -1.59	20.00 0.37 -1.00	22.07 0.38 -0.51	22.51 0.33 -1.73	23.42 0.35 -1.48	23.89 0.46 -1.52	22.86 0.57 -0.50	22.49 0.35 -0.50	22.08 0.34 -0.43	22.28 0.34 -0.70	25.22 0.38 -1.29	26.80 0.41 -2.18	28.13 0.56 -1.89	28.37 0.63 -1.66	26.28 0.81 -0.07	21.61 0.31 -0.72	17.55 0.31 -2.30
WETHRSFD_WT_PWR 323626	16.13 -0.29 -1.23	14.30 -0.25 -1.37	12.60 -0.21 -1.55	11.19 -0.20 -1.73	13.04 -0.17 -1.31	15.95 -0.23 -0.57	16.02 -0.31 -0.85	15.55 -0.36 -0.91	18.55 -0.65 -0.57	20.67 -0.80 -0.29	20.60 -0.84 -0.99	17.40 -0.95 3.26	16.62 -0.81 4.47	19.41 -0.70 1.68	19.55 -0.93 1.16	20.70 -0.85 -0.25	20.79 -0.85 -0.40	23.38 -0.92 -0.74	21.70 -0.90 1.62	26.00 -0.75 -1.07	24.30 -0.76 1.02	20.82 -0.53 4.05	18.05 -0.99 1.54	15.81 -0.45 -1.32
WHAVSTOR_138KV_BK127 55557	22.58 1.32 -6.07	21.05 1.12 -6.74	19.85 0.96 -7.62	19.00 0.79 -8.55	19.31 0.95 -6.47	19.64 1.23 -2.79	20.89 1.22 -4.18	20.70 1.20 -4.49	23.01 1.57 -2.82	24.33 1.72 -1.43	27.00 1.66 -4.90	27.42 1.77 -4.05	27.86 1.82 -4.14	24.99 1.83 -1.36	24.79 1.78 -1.37	24.27 1.75 -1.21	24.98 1.76 -1.98	29.14 1.93 -3.65	32.26 1.99 -6.06	33.11 2.16 -5.28	32.93 2.29 -4.56	27.63 2.21 -0.02	24.22 1.67 -1.98	22.63 1.20 -6.49
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	22.58 1.32 -6.07	21.05 1.12 -6.74	19.85 0.96 -7.62	19.00 0.79 -8.55	19.31 0.95 -6.47	19.64 1.23 -2.79	20.89 1.22 -4.18	20.70 1.20 -4.49	23.01 1.57 -2.82	24.33 1.72 -1.43	27.00 1.66 -4.90	27.42 1.77 -4.05	27.86 1.82 -4.14	24.99 1.83 -1.36	24.79 1.78 -1.37	24.27 1.75 -1.21	24.98 1.76 -1.98	29.14 1.93 -3.65	32.26 1.99 -6.06	33.11 2.16 -5.28	32.93 2.29 -4.56	27.63 2.21 -0.02	24.22 1.67 -1.98	22.63 1.20 -6.49
WHITEHAL_115KV_TB1 80871	24.22 1.20 -7.82	22.91 1.03 -8.69	21.96 0.86 -9.83	21.44 0.75 -11.02	21.20 0.98 -8.34	20.53 1.31 -3.60	22.16 1.29 -5.39	22.07 1.28 -5.80	24.03 1.77 -3.63	25.13 2.10 -1.85	28.78 2.02 -6.31	28.89 2.07 -5.21	29.38 2.15 -5.33	25.71 2.16 -1.75	25.51 2.10 -1.76	24.90 2.02 -1.57	25.81 2.02 -2.55	30.54 2.28 -4.70	34.35 2.32 -7.81	34.97 2.49 -6.81	34.34 2.40 -5.87	27.80 2.39 -0.01	24.84 1.71 -2.55	24.48 1.17 -8.37
WHITEPLN_13_KV_LOAD 356215	22.84 1.49 -6.16	21.30 1.27 -6.84	20.09 1.08 -7.74	19.23 0.89 -8.68	19.54 1.08 -6.56	19.83 1.37 -2.83	21.10 1.38 -4.24	20.90 1.34 -4.56	23.24 1.75 -2.86	24.56 1.93 -1.46	27.26 1.84 -4.97	27.68 1.97 -4.11	28.12 2.02 -4.20	25.18 2.00 -1.38	24.98 1.95 -1.39	24.48 1.94 -1.23	25.20 1.95 -2.01	29.43 2.17 -3.70	32.59 2.23 -6.15	33.45 2.41 -5.36	33.26 2.56 -4.63	27.85 2.44 -0.02	24.46 1.87 -2.01	22.87 1.34 -6.59
WM_FLOYD_69_KV_BK2 356380	23.18 1.82 -6.17	21.60 1.56 -6.85	20.27 1.25 -7.75	19.39 1.03 -8.69	19.69 1.22 -6.57	20.05 1.59 -2.84	21.36 1.63 -4.25	21.10 1.53 -4.57	23.60 2.11 -2.86	29.89 2.39 -6.32	31.49 2.07 -8.98	33.94 2.14 -10.20	31.95 2.21 -7.83	30.95 2.24 -6.91	31.79 2.19 -7.96	31.09 2.19 -7.58	33.05 2.19 -9.62	35.51 2.54 -9.41	38.23 2.66 -11.35	42.42 2.90 -13.85	48.56 3.00 -19.48	34.07 2.84 -5.83	25.50 2.22 -2.70	23.20 1.66 -6.60
WOODARD__115KV_TB2 355635	15.84 0.05 -0.61	13.89 0.03 -0.67	12.05 0.02 -0.76	10.53 0.01 -0.85	12.56 0.02 -0.64	15.93 0.03 -0.28	15.93 0.03 -0.42	15.48 0.03 -0.45	18.93 0.02 -0.28	21.34 0.02 -0.14	20.94 0.00 -0.49	22.01 0.00 -0.41	22.33 0.00 -0.42	21.93 0.00 -0.14	21.81 0.02 -0.14	21.45 0.02 -0.12	21.44 0.00 -0.20	23.92 0.00 -0.36	24.82 0.00 -0.61	26.29 0.05 -0.57	26.65 0.05 -0.52	25.44 0.00 -0.05	20.71 -0.06 -0.20	15.60 0.01 -0.65
YORK___WARBASSE 23770	22.96 1.60 -6.18	21.40 1.36 -6.85	20.17 1.15 -7.75	19.30 0.95 -8.69	19.59 1.13 -6.57	19.85 1.39 -2.84	21.09 1.36 -4.25	20.91 1.34 -4.57	23.21 1.71 -2.86	24.50 1.86 -1.46	27.22 1.80 -4.98	27.66 1.94 -4.12	28.10 1.99 -4.21	25.23 2.05 -1.39	25.03 1.99 -1.39	24.55 2.00 -1.23	25.25 2.00 -2.01	29.48 2.21 -3.71	32.68 2.30 -6.16	33.46 2.41 -5.37	33.24 2.53 -4.63	27.90 2.49 -0.02	24.57 1.98 -2.01	23.02 1.48 -6.60