

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

06/02/2023

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	26.18	23.52	22.55	21.34	21.67	22.34	24.71	28.96	29.82	31.47	31.98	35.37	38.07	40.63	42.60	49.08	55.13	62.80	55.23	45.64	38.95	33.95	31.15	28.50
24138	1.15	1.16	1.06	1.08	1.08	1.18	1.56	1.55	1.76	2.19	2.86	3.21	3.24	3.11	3.85	3.83	4.36	4.77	3.79	2.83	2.77	2.69	2.20	2.11
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.46	-1.52	0.00	-0.02	-2.41	-5.19	-0.63	-9.08	-10.09	-8.85	-12.41	-10.59	-4.00	0.00	-0.01	0.00
74TH STREET_GT_1	26.20	23.54	22.59	21.38	21.69	22.36	24.69	28.96	29.82	31.47	31.69	35.05	37.94	40.50	42.45	49.09	54.92	62.90	55.19	45.47	38.94	33.76	31.21	28.47
24260	1.17	1.18	1.10	1.12	1.10	1.20	1.53	1.54	1.76	2.19	2.56	2.89	3.11	2.98	3.70	3.83	4.15	4.82	3.67	2.61	2.74	2.50	2.26	2.08
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.46	-1.52	0.00	-0.02	-2.41	-5.19	-0.63	-9.08	-10.09	-8.90	-12.48	-10.66	-4.03	0.00	-0.01	0.00
74TH STREET_GT_2	26.20	23.54	22.59	21.38	21.69	22.36	24.69	28.96	29.82	31.47	31.69	35.05	37.94	40.50	42.45	49.09	54.92	62.90	55.19	45.47	38.94	33.76	31.21	28.47
24261	1.17	1.18	1.10	1.12	1.10	1.20	1.53	1.54	1.76	2.19	2.56	2.89	3.11	2.98	3.70	3.83	4.15	4.82	3.67	2.61	2.74	2.50	2.26	2.08
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.46	-1.52	0.00	-0.02	-2.41	-5.19	-0.63	-9.08	-10.09	-8.90	-12.48	-10.66	-4.03	0.00	-0.01	0.00
ADK HUDSON__FALLS	37.36	28.54	25.89	23.65	24.70	24.39	25.38	35.13	33.15	34.53	31.57	35.00	42.97	51.38	43.65	50.27	69.71	80.95	80.56	67.57	47.46	34.13	31.46	28.60
24011	1.60	1.48	1.55	1.41	1.41	1.55	1.62	1.79	2.13	2.19	2.45	2.86	3.24	3.30	3.62	3.47	4.03	5.02	3.94	3.29	3.15	2.88	2.52	2.22
	-15.99	-7.01	-4.26	-2.95	-4.02	-2.50	-0.89	-8.82	-4.42	-4.58	0.00	0.00	-7.30	-15.74	-1.90	-10.62	-25.00	-26.75	-37.58	-32.08	-12.13	0.00	0.00	0.00
ADK RESOURCE__RCVRY	37.60	28.72	26.06	23.79	24.83	24.56	25.54	35.35	33.43	34.83	32.01	35.52	43.45	51.89	44.11	50.80	70.37	81.74	81.29	68.15	47.92	34.63	31.79	28.90
23798	1.78	1.64	1.71	1.54	1.52	1.71	1.78	1.98	2.40	2.47	2.88	3.37	3.69	3.75	4.08	3.98	4.60	5.70	4.53	3.73	3.57	3.38	2.84	2.51
	-16.05	-7.03	-4.28	-2.96	-4.04	-2.51	-0.89	-8.86	-4.44	-4.60	0.00	0.00	-7.33	-15.80	-1.90	-10.65	-25.10	-26.86	-37.72	-32.20	-12.17	0.00	0.00	0.00
ADK S GLENS__FALLS	37.36	28.54	25.89	23.65	24.70	24.39	25.38	35.13	33.15	34.53	31.57	35.00	42.97	51.38	43.65	50.27	69.71	80.95	80.56	67.57	47.46	34.13	31.46	28.60
24028	1.60	1.48	1.55	1.41	1.41	1.55	1.62	1.79	2.13	2.19	2.45	2.86	3.24	3.30	3.62	3.47	4.03	5.02	3.94	3.29	3.15	2.88	2.52	2.22
	-15.99	-7.01	-4.26	-2.95	-4.02	-2.50	-0.89	-8.82	-4.42	-4.58	0.00	0.00	-7.30	-15.74	-1.90	-10.62	-25.00	-26.75	-37.58	-32.08	-12.13	0.00	0.00	0.00
ADK_NYS__DAM	33.80	26.89	24.71	22.86	23.70	23.60	25.06	33.06	31.77	33.18	30.87	33.91	40.11	46.77	41.97	47.60	63.34	73.37	71.35	59.66	43.80	33.13	30.57	27.97
23527	1.25	1.24	1.23	1.22	1.21	1.26	1.49	1.50	1.65	1.78	1.75	1.77	1.85	1.84	2.33	2.10	2.44	2.80	2.26	1.80	1.93	1.88	1.62	1.58
	-12.79	-5.60	-3.41	-2.36	-3.22	-2.00	-0.71	-7.06	-3.52	-3.65	0.00	0.00	-5.84	-12.58	-1.52	-9.34	-20.22	-21.39	-30.04	-25.65	-9.70	0.00	0.00	0.00
AIR_PRODUCTS__DRP	31.03	25.46	23.70	22.03	22.72	22.79	24.32	31.18	30.32	31.60	29.79	32.85	38.03	43.49	40.30	44.68	58.23	67.93	64.76	54.07	40.93	31.91	29.61	27.05
24190	0.69	0.78	0.80	0.79	0.79	0.79	0.87	0.83	0.80	0.81	0.67	0.71	0.78	0.74	0.92	0.90	0.98	1.08	0.90	0.68	0.74	0.66	0.67	0.66
	-10.57	-4.63	-2.82	-1.95	-2.66	-1.66	-0.59	-5.84	-2.92	-3.03	0.00	0.00	-4.83	-10.41	-1.25	-7.61	-16.58	-17.67	-24.82	-21.19	-8.01	0.00	0.00	0.00
AKWESSNE_115KV_BK	19.35	19.65	19.68	18.90	18.90	19.91	22.41	24.19	26.23	27.29	28.54	31.34	31.29	31.15	36.60	33.72	38.81	47.41	37.25	30.92	30.89	30.16	28.28	25.78
355683	-0.42	-0.40	-0.40	-0.39	-0.37	-0.43	-0.46	-0.32	-0.37	-0.47	-0.58	-0.80	-1.13	-1.20	-1.53	-1.74	-1.87	-1.77	-1.80	-1.29	-1.29	-1.09	-0.67	-0.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY__1	31.03	25.46	23.70	22.03	22.72	22.79	24.32	31.18	30.32	31.60	29.79	32.85	38.03	43.49	40.30	44.68	58.23	67.93	64.76	54.07	40.93	31.91	29.61	27.05
23571	0.69	0.78	0.80	0.79	0.79	0.79	0.87	0.83	0.80	0.81	0.67	0.71	0.78	0.74	0.92	0.90	0.98	1.08	0.90	0.68	0.74	0.66	0.67	0.66
	-10.57	-4.63	-2.82	-1.95	-2.66	-1.66	-0.59	-5.84	-2.92	-3.03	0.00	0.00	-4.83	-10.41	-1.25	-7.61	-16.58	-17.67	-24.82	-21.19	-8.01	0.00	0.00	0.00
ALBANY__2	31.03	25.46	23.70	22.03	22.72	22.79	24.32	31.18	30.32	31.60	29.79	32.85	38.03	43.49	40.30	44.68	58.23	67.93	64.76	54.07	40.93	31.91	29.61	27.05
23572	0.69	0.78	0.80	0.79	0.79	0.79	0.87	0.83	0.80	0.81	0.67	0.71	0.78	0.74	0.92	0.90	0.98	1.08	0.90	0.68	0.74	0.66	0.67	0.66
	-10.57	-4.63	-2.82	-1.95	-2.66	-1.66	-0.59	-5.84	-2.92	-3.03	0.00	0.00	-4.83	-10.41	-1.25	-7.61	-16.58	-17.67	-24.82	-21.19	-8.01	0.00	0.00	0.00
ALBANY__3	31.03	25.46	23.70	22.03	22.72	22.79	24.32	31.18	30.32	31.60	29.79	32.85	38.03	43.49	40.30	44.68	58.23	67.93	64.76	54.07	40.93	31.91	29.61	27.05
23573	0.69	0.78	0.80	0.79	0.79	0.79	0.87	0.83	0.80	0.81	0.67	0.71	0.78	0.74	0.92	0.90	0.98	1.08	0.90	0.68	0.74	0.66	0.67	0.66
	-10.57	-4.63	-2.82	-1.95	-2.66	-1.66	-0.59	-5.84	-2.92	-3.03	0.00	0.00	-4.83	-10.41	-1.25	-7.61	-16.58	-17.67	-24.82	-21.19	-8.01	0.00	0.00	0.00



ALBANY___4 23574	31.03 0.69 -10.57	25.46 0.78 -4.63	23.70 0.80 -2.82	22.03 0.79 -1.95	22.72 0.79 -2.66	22.79 0.79 -1.66	24.32 0.87 -0.59	31.18 0.83 -5.84	30.32 0.80 -2.92	31.60 0.81 -3.03	29.79 0.67 0.00	32.85 0.71 0.00	38.03 0.78 -4.83	43.49 0.74 -10.41	40.30 0.92 -1.25	44.68 0.90 -7.61	58.23 0.98 -16.58	67.93 1.08 -17.67	64.76 0.90 -24.82	54.07 0.68 -21.19	40.93 0.74 -8.01	31.91 0.66 0.00	29.61 0.67 0.00	27.05 0.66 0.00
ALBANY___LFGE 323615	32.81 0.89 -12.16	26.34 0.96 -5.33	24.30 0.98 -3.24	22.48 0.94 -2.24	23.27 0.94 -3.06	23.22 0.98 -1.90	24.59 1.05 -0.68	32.27 1.05 -6.71	31.06 1.09 -3.37	32.39 1.14 -3.49	30.29 1.17 0.00	33.46 1.32 0.00	39.30 1.33 -5.55	45.57 1.26 -11.96	41.10 1.53 -1.44	46.14 1.45 -8.52	61.36 1.63 -19.05	71.38 1.87 -20.33	69.08 1.48 -28.56	57.74 1.16 -24.38	42.58 1.19 -9.22	32.41 1.16 0.00	29.99 1.04 0.00	27.39 1.00 0.00
ALCOA_PA_115KV_PL-6C 55860	19.49 -0.28 0.00	19.79 -0.26 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.02 -0.25 0.00	20.03 -0.31 0.00	22.54 -0.32 0.00	24.34 -0.17 0.00	26.39 -0.21 0.00	27.45 -0.31 0.00	28.72 -0.41 0.00	31.24 -0.90 0.00	31.19 -1.23 0.00	31.02 -1.33 0.00	36.45 -1.68 0.00	33.53 -1.99 0.65	38.53 -2.16 0.00	47.56 -1.62 0.00	36.97 -2.07 0.00	30.63 -1.58 0.00	30.60 -1.58 0.00	29.98 -1.28 0.00	28.45 -0.49 0.00	25.94 -0.45 0.00
ALCOA_RYNLDS___DRP 24188	19.49 -0.28 0.00	19.79 -0.26 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.02 -0.25 0.00	20.03 -0.31 0.00	22.54 -0.32 0.00	24.34 -0.17 0.00	26.39 -0.21 0.00	27.45 -0.31 0.00	28.72 -0.41 0.00	31.24 -0.90 0.00	31.19 -1.23 0.00	31.02 -1.33 0.00	36.45 -1.68 0.00	33.53 -1.99 0.65	38.53 -2.16 0.00	47.56 -1.62 0.00	36.97 -2.07 0.00	30.63 -1.58 0.00	30.60 -1.58 0.00	29.98 -1.28 0.00	28.45 -0.49 0.00	25.94 -0.45 0.00
ALCOA___DSASP 323711	19.49 -0.28 0.00	19.79 -0.26 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.02 -0.25 0.00	20.03 -0.30 0.00	22.54 -0.32 0.00	24.34 -0.17 0.00	26.39 -0.21 0.00	27.45 -0.30 0.00	28.19 -0.93 0.00	31.05 -1.09 0.00	31.19 -1.23 0.00	31.02 -1.33 0.00	36.45 -1.68 0.00	33.53 -1.99 0.65	38.52 -2.16 0.00	47.56 -1.62 0.00	36.93 -2.11 0.00	30.66 -1.55 0.00	30.63 -1.54 0.00	29.85 -1.41 0.00	28.45 -0.49 0.00	25.94 -0.45 0.00
ALLEGHENY___COGEN 23514	22.19 1.50 -0.92	21.91 1.46 -0.40	21.75 1.43 -0.25	20.60 1.14 -0.17	20.60 1.10 -0.23	22.01 1.53 -0.14	24.20 1.28 -0.05	25.66 0.64 -0.51	27.31 0.45 -0.26	28.53 0.50 -0.27	29.88 0.76 0.00	32.14 0.00 0.00	33.13 0.29 -0.42	33.93 0.68 -0.91	39.27 1.03 -0.11	39.49 1.34 -1.98	43.93 1.79 -1.46	52.87 2.11 -1.57	43.98 2.73 -2.21	36.70 2.61 -1.89	35.24 2.35 -0.71	33.57 2.31 0.00	31.35 2.40 0.00	28.39 2.00 0.00
ALTAMONT_115KV_TB 2 55880	29.13 0.69 -8.68	24.59 0.74 -3.80	23.14 0.74 -2.31	21.64 0.75 -1.60	22.20 0.75 -2.18	22.45 0.75 -1.36	24.19 0.85 -0.48	30.13 0.83 -4.79	29.86 0.85 -2.40	31.17 0.92 -2.49	29.97 0.84 0.00	33.04 0.90 0.00	37.36 0.97 -3.96	41.82 0.94 -8.54	40.30 1.14 -1.03	43.62 1.12 -6.33	55.44 1.22 -13.54	65.10 1.43 -14.49	60.56 1.17 -20.35	50.51 0.93 -17.37	39.74 1.00 -6.57	32.16 0.91 0.00	29.84 0.90 0.00	27.23 0.84 0.00
ALTONA_WT_PWR 323606	20.00 0.24 0.00	20.29 0.24 0.00	20.32 0.24 0.00	19.48 0.19 0.00	19.50 0.23 0.00	20.58 0.24 0.00	23.16 0.30 0.00	25.08 0.56 0.00	27.24 0.64 0.00	28.34 0.58 0.00	29.45 0.32 0.00	32.43 0.29 0.00	32.58 0.16 0.00	32.47 0.13 0.00	38.01 -0.11 0.00	34.86 -0.65 0.66	40.15 -0.53 0.00	49.03 -0.15 0.00	38.57 -0.47 0.00	31.95 -0.26 0.00	31.89 -0.29 0.00	31.04 -0.22 0.00	29.06 0.12 0.00	26.39 0.00 0.00
AMERICAN_REF_FUEL 24010	21.02 0.43 -0.83	20.71 0.30 -0.36	20.64 0.34 -0.22	19.42 -0.02 -0.15	19.42 -0.06 -0.21	20.81 0.35 -0.13	22.80 -0.11 -0.05	24.28 -0.69 -0.46	26.14 -0.69 -0.23	27.39 -0.61 -0.24	28.72 -0.41 0.00	32.24 0.10 0.00	33.54 0.75 -0.38	33.99 0.84 -0.81	39.14 0.91 -0.10	39.59 1.48 -1.93	43.82 1.83 -1.31	52.12 1.53 -1.41	42.74 1.72 -1.98	35.06 1.16 -1.69	33.69 0.87 -0.64	32.01 0.75 0.00	29.21 0.26 0.00	26.68 0.29 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	22.13 1.40 -0.97	21.79 1.32 -0.42	21.71 1.37 -0.26	20.49 1.02 -0.18	20.47 0.96 -0.24	21.95 1.47 -0.15	24.18 1.26 -0.05	26.00 0.96 -0.53	28.04 1.17 -0.27	29.23 1.19 -0.28	30.81 1.69 0.00	34.49 2.35 0.00	35.65 2.79 -0.44	36.14 2.85 -0.95	41.52 3.28 -0.11	41.82 3.65 -2.00	46.47 4.27 -1.52	55.19 4.38 -1.64	45.40 4.06 -2.30	37.03 2.87 -1.96	35.56 2.64 -0.74	33.60 2.35 0.00	30.51 1.56 0.00	27.76 1.37 0.00
ARTHUR_KILL_GT_1 23520	26.35 1.30 -5.28	23.69 1.32 -2.32	22.74 1.25 -1.41	21.52 1.25 -0.98	21.84 1.23 -1.33	22.42 1.26 -0.83	24.71 1.56 -0.29	28.97 1.55 -2.91	29.82 1.76 -1.46	31.50 2.22 -1.52	31.95 2.82 0.00	35.24 3.09 -0.01	37.25 3.18 -1.65	38.45 3.04 -3.07	41.23 3.81 0.71	47.34 3.76 -7.41	54.90 4.15 -10.06	62.32 4.87 -8.27	51.35 3.87 -8.44	43.11 2.74 -8.16	37.32 2.83 -2.31	34.05 2.78 -0.01	31.28 2.32 -0.02	28.64 2.24 -0.01
ARTHUR_KILL_2 23512	26.29 1.25 -5.28	23.63 1.26 -2.32	22.68 1.18 -1.41	21.47 1.20 -0.98	21.78 1.18 -1.33	22.36 1.20 -0.83	24.64 1.49 -0.29	28.89 1.47 -2.91	29.74 1.68 -1.46	31.42 2.14 -1.52	31.86 2.74 0.00	35.11 2.96 -0.01	37.12 3.05 -1.65	38.33 2.91 -3.07	41.08 3.66 0.71	47.16 3.58 -7.41	54.73 3.99 -10.06	62.07 4.62 -8.27	51.15 3.67 -8.44	42.95 2.58 -8.16	37.19 2.70 -2.31	33.92 2.66 -0.01	31.16 2.20 -0.02	28.53 2.14 -0.01
ARTHUR_KILL_3 23513	25.94 0.91 -5.27	23.28 0.92 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.08 0.92 -0.83	24.42 1.26 -0.29	28.64 1.23 -2.91	29.50 1.44 -1.46	31.14 1.86 -1.52	31.60 2.47 0.00	34.95 2.79 -0.02	36.87 2.79 -1.66	38.06 2.65 -3.06	40.78 3.36 0.70	46.90 3.33 -7.40	54.52 3.78 -10.06	61.62 4.18 -8.26	50.87 3.39 -8.43	42.74 2.38 -8.15	36.92 2.44 -2.30	33.60 2.35 0.00	30.86 1.91 -0.01	28.23 1.85 0.00
ARTHUR_KILL_COGEN 323718	26.35 1.30 -5.28	23.69 1.32 -2.32	22.74 1.25 -1.41	21.52 1.25 -0.98	21.84 1.23 -1.33	22.42 1.26 -0.83	24.71 1.56 -0.29	28.97 1.55 -2.91	29.82 1.76 -1.46	31.50 2.22 -1.52	31.95 2.82 0.00	35.24 3.09 -0.01	37.25 3.18 -1.65	38.45 3.04 -3.07	41.23 3.81 0.71	47.34 3.76 -7.41	54.90 4.15 -10.06	62.32 4.87 -8.27	51.35 3.87 -8.44	43.11 2.74 -8.16	37.32 2.83 -2.31	34.05 2.78 -0.01	31.28 2.32 -0.02	28.64 2.24 -0.01
ASHOKAN____ 23654	27.71 0.30 -7.65	23.74 0.34 -3.35	22.44 0.32 -2.04	21.03 0.33 -1.41	21.52 0.33 -1.92	21.90 0.37 -1.20	23.75 0.46 -0.43	29.18 0.44 -4.22	29.17 0.45 -2.12	30.51 0.55 -2.20	30.11 0.99 0.00	34.04 1.90 0.00	36.86 0.94 -3.49	40.68 0.81 -7.53	40.02 0.99 -0.91	46.77 2.61 -7.99	54.22 0.97 -12.57	62.62 0.84 -12.60	57.83 1.09 -17.70	47.87 0.55 -15.11	38.44 0.55 -5.71	31.85 0.59 0.00	30.16 1.22 0.00	27.52 1.13 0.00



ASTORIA_EAST_ENERGY_CC1 323581	26.18 1.15 -5.27	23.50 1.14 -2.31	22.49 1.00 -1.40	21.28 1.02 -0.97	21.56 0.96 -1.33	22.10 0.94 -0.83	24.38 1.23 -0.29	28.64 1.23 -2.90	29.49 1.44 -1.46	31.16 1.89 -1.51	31.85 2.74 0.01	35.11 2.96 -0.01	37.71 2.88 -2.40	40.17 2.65 -5.18	42.29 3.55 -0.62	48.71 3.47 -9.07	54.67 3.91 -10.09	62.60 4.57 -8.84	54.88 3.44 -12.40	45.31 2.51 -10.58	38.65 2.48 -4.00	33.86 2.59 -0.01	31.15 2.20 -0.01	28.45 2.06 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	26.18 1.15 -5.27	23.50 1.14 -2.31	22.49 1.00 -1.40	21.28 1.02 -0.97	21.56 0.96 -1.33	22.10 0.94 -0.83	24.38 1.23 -0.29	28.64 1.23 -2.90	29.49 1.44 -1.46	31.16 1.89 -1.51	31.85 2.74 0.01	35.11 2.96 -0.01	37.71 2.88 -2.40	40.17 2.65 -5.18	42.29 3.55 -0.62	48.71 3.47 -9.07	54.67 3.91 -10.09	62.60 4.57 -8.84	54.88 3.44 -12.40	45.31 2.51 -10.58	38.65 2.48 -4.00	33.86 2.59 -0.01	31.15 2.20 -0.01	28.45 2.06 -0.01
ASTORIA_GT2_1 24094	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT2_2 24095	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT2_3 24096	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT2_4 24097	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT3_1 24098	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT3_2 24099	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT3_3 24100	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT3_4 24101	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT4_1 24102	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT4_2 24103	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT4_3 24104	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT4_4 24105	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.39 1.23 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.17 1.89 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.52 2.69 -2.41	40.05 2.52 -5.19	41.95 3.20 -0.63	48.69 3.44 -9.08	54.27 3.50 -10.09	62.56 4.48 -8.90	54.65 3.12 -12.48	44.99 2.13 -10.66	38.49 2.28 -4.03	33.64 2.38 -0.01	31.18 2.23 -0.01	28.45 2.06 -0.01
ASTORIA_GT_1 23523	26.22 1.19 -5.27	23.54 1.18 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.60 1.00 -1.33	22.14 0.98 -0.83	24.43 1.28 -0.29	28.69 1.27 -2.90	29.55 1.49 -1.46	31.21 1.94 -1.51	31.94 2.82 0.01	35.21 3.06 -0.01	37.80 2.98 -2.40	40.27 2.75 -5.18	42.40 3.66 -0.62	48.82 3.58 -9.07	54.79 4.03 -10.09	62.79 4.77 -8.84	54.99 3.55 -12.40	45.40 2.61 -10.58	38.75 2.58 -4.00	33.92 2.66 -0.01	31.21 2.26 -0.01	28.51 2.11 -0.01



ASTORIA_GT_10 24110	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.62 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.51 2.39 0.00	34.86 2.70 -0.02	37.71 2.89 -2.41	40.25 2.72 -5.19	42.15 3.39 -0.63	48.80 3.54 -9.08	54.52 3.74 -10.09	62.56 4.48 -8.90	54.84 3.32 -12.48	45.15 2.29 -10.66	38.68 2.48 -4.03	33.67 2.41 -0.01	31.13 2.17 -0.01	28.40 2.01 -0.01
ASTORIA_GT_11 24225	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.62 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.51 2.39 0.00	34.86 2.70 -0.02	37.71 2.89 -2.41	40.25 2.72 -5.19	42.15 3.39 -0.63	48.80 3.54 -9.08	54.52 3.74 -10.09	62.56 4.48 -8.90	54.84 3.32 -12.48	45.15 2.29 -10.66	38.68 2.48 -4.03	33.67 2.41 -0.01	31.13 2.17 -0.01	28.40 2.01 -0.01
ASTORIA_GT_12 24226	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.83 2.71 0.00	35.18 3.02 -0.02	37.84 3.02 -2.41	40.38 2.85 -5.19	42.34 3.58 -0.63	48.76 3.51 -9.08	54.68 3.91 -10.09	62.55 4.52 -8.85	55.04 3.59 -12.41	45.31 2.51 -10.59	38.85 2.67 -4.00	33.89 2.63 -0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
ASTORIA_GT_13 24227	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.83 2.71 0.00	35.18 3.02 -0.02	37.84 3.02 -2.41	40.38 2.85 -5.19	42.34 3.58 -0.63	48.76 3.51 -9.08	54.68 3.91 -10.09	62.55 4.52 -8.85	55.04 3.59 -12.41	45.31 2.51 -10.59	38.85 2.67 -4.00	33.89 2.63 -0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
ASTORIA_GT_5 24106	26.22 1.19 -5.27	23.54 1.18 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.60 1.00 -1.33	22.14 0.98 -0.83	24.43 1.28 -0.29	28.69 1.27 -2.90	29.55 1.49 -1.46	31.21 1.94 -1.51	31.94 2.82 0.01	35.21 3.06 -0.01	37.80 2.98 -2.40	40.27 2.75 -5.18	42.40 3.66 -0.62	48.82 3.58 -9.07	54.79 4.03 -10.09	62.79 4.77 -8.84	54.99 3.55 -12.40	45.40 2.61 -10.58	38.75 2.58 -4.00	33.92 2.66 -0.01	31.21 2.26 -0.01	28.51 2.11 -0.01
ASTORIA_GT_7 24107	26.22 1.19 -5.27	23.54 1.18 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.60 1.00 -1.33	22.14 0.98 -0.83	24.43 1.28 -0.29	28.69 1.27 -2.90	29.55 1.49 -1.46	31.21 1.94 -1.51	31.94 2.82 0.01	35.21 3.06 -0.01	37.80 2.98 -2.40	40.27 2.75 -5.18	42.40 3.66 -0.62	48.82 3.58 -9.07	54.79 4.03 -10.09	62.79 4.77 -8.84	54.99 3.55 -12.40	45.40 2.61 -10.58	38.75 2.58 -4.00	33.92 2.66 -0.01	31.21 2.26 -0.01	28.51 2.11 -0.01
ASTORIA_GT_8 24108	26.22 1.19 -5.27	23.54 1.18 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.60 1.00 -1.33	22.14 0.98 -0.83	24.44 1.28 -0.29	28.69 1.27 -2.91	29.56 1.49 -1.46	31.22 1.94 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.15 2.62 -5.19	42.03 3.28 -0.63	48.80 3.54 -9.08	54.40 3.62 -10.09	62.71 4.62 -8.90	54.73 3.20 -12.48	45.05 2.19 -10.66	38.55 2.35 -4.03	33.70 2.44 -0.01	31.24 2.29 -0.01	28.51 2.11 -0.01
ASTORIA___2 24149	26.18 1.15 -5.27	23.50 1.14 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.58 0.98 -1.33	22.10 0.94 -0.83	24.38 1.23 -0.29	28.64 1.23 -2.90	29.49 1.44 -1.46	31.16 1.89 -1.51	31.85 2.74 0.01	35.14 2.99 -0.01	37.74 2.92 -2.40	40.20 2.68 -5.18	42.33 3.58 -0.62	48.75 3.51 -9.07	54.67 3.91 -10.09	62.64 4.62 -8.84	54.91 3.47 -12.40	45.34 2.54 -10.58	38.65 2.48 -4.00	33.86 2.59 -0.01	31.15 2.20 -0.01	28.48 2.08 -0.01
ASTORIA___3 23516	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.83 2.71 0.00	35.18 3.02 -0.02	37.84 3.02 -2.41	40.38 2.85 -5.19	42.34 3.58 -0.63	48.76 3.51 -9.08	54.68 3.91 -10.09	62.55 4.52 -8.85	55.04 3.59 -12.41	45.31 2.51 -10.59	38.85 2.67 -4.00	33.89 2.63 -0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
ASTORIA___4 23517	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.62 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.51 2.39 0.00	34.86 2.70 -0.02	37.71 2.89 -2.41	40.25 2.72 -5.19	42.15 3.39 -0.63	48.80 3.54 -9.08	54.52 3.74 -10.09	62.56 4.48 -8.90	54.84 3.32 -12.48	45.15 2.29 -10.66	38.68 2.48 -4.03	33.67 2.41 -0.01	31.13 2.17 -0.01	28.40 2.01 -0.01
ASTORIA___5 23518	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.83 2.71 0.00	35.18 3.02 -0.02	37.84 3.02 -2.41	40.38 2.85 -5.19	42.34 3.58 -0.63	48.76 3.51 -9.08	54.68 3.91 -10.09	62.55 4.52 -8.85	55.04 3.59 -12.41	45.31 2.51 -10.59	38.85 2.67 -4.00	33.89 2.63 -0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
AST_ENERGY_2_CC3 323677	26.02 0.99 -5.27	23.36 1.00 -2.31	22.41 0.92 -1.40	21.21 0.94 -0.97	21.54 0.94 -1.33	22.18 1.02 -0.83	24.51 1.35 -0.29	28.72 1.30 -2.91	29.58 1.52 -1.46	31.19 1.91 -1.52	31.66 2.53 0.00	35.02 2.86 -0.02	37.71 2.88 -2.41	40.28 2.75 -5.19	42.19 3.43 -0.63	48.65 3.40 -9.08	54.64 3.87 -10.09	62.31 4.28 -8.85	54.92 3.47 -12.41	45.25 2.45 -10.59	38.72 2.54 -4.00	33.70 2.44 0.00	30.95 2.00 -0.01	28.29 1.90 0.00
AST_ENERGY_2_CC4 323678	26.02 0.99 -5.27	23.36 1.00 -2.31	22.41 0.92 -1.40	21.21 0.94 -0.97	21.54 0.94 -1.33	22.18 1.02 -0.83	24.51 1.35 -0.29	28.72 1.30 -2.91	29.58 1.52 -1.46	31.19 1.91 -1.52	31.66 2.53 0.00	35.02 2.86 -0.02	37.71 2.88 -2.41	40.28 2.75 -5.19	42.19 3.43 -0.63	48.65 3.40 -9.08	54.64 3.87 -10.09	62.31 4.28 -8.85	54.92 3.47 -12.41	45.25 2.45 -10.59	38.72 2.54 -4.00	33.70 2.44 0.00	30.95 2.00 -0.01	28.29 1.90 0.00
ATHENS_STG_1 23668	25.96 0.67 -5.52	23.17 0.70 -2.42	22.28 0.72 -1.47	21.04 0.73 -1.02	21.39 0.73 -1.39	21.91 0.71 -0.87	24.02 0.85 -0.31	28.39 0.83 -3.05	29.04 0.90 -1.53	30.32 0.97 -1.59	30.23 1.11 0.00	33.36 1.22 0.00	36.18 1.23 -2.52	38.91 1.13 -5.44	40.15 1.37 -0.66	40.37 1.34 -2.86	50.17 1.51 -7.98	60.28 1.87 -9.23	53.57 1.56 -12.97	44.41 1.13 -11.07	37.58 1.22 -4.19	32.51 1.25 0.00	29.96 1.01 0.00	27.36 0.98 0.00
ATHENS_STG_2 23670	25.96 0.67 -5.52	23.17 0.70 -2.42	22.28 0.72 -1.47	21.04 0.73 -1.02	21.39 0.73 -1.39	21.91 0.71 -0.87	24.02 0.85 -0.31	28.39 0.83 -3.05	29.04 0.90 -1.53	30.32 0.97 -1.59	30.23 1.11 0.00	33.36 1.22 0.00	36.18 1.23 -2.52	38.91 1.13 -5.44	40.15 1.37 -0.66	40.37 1.34 -2.86	50.17 1.51 -7.98	60.28 1.87 -9.23	53.57 1.56 -12.97	44.41 1.13 -11.07	37.58 1.22 -4.19	32.51 1.25 0.00	29.96 1.01 0.00	27.36 0.98 0.00



ATHENS_STG_3 23677	25.96 0.67 -5.52	23.17 0.70 -2.42	22.28 0.72 -1.47	21.04 0.73 -1.02	21.39 0.73 -1.39	21.91 0.71 -0.87	24.02 0.85 -0.31	28.39 0.83 -3.05	29.04 0.90 -1.53	30.32 0.97 -1.59	30.23 1.11 0.00	33.36 1.22 0.00	36.18 1.23 -2.52	38.91 1.13 -5.44	40.15 1.37 -0.66	40.37 1.34 -2.86	50.17 1.51 -7.98	60.28 1.87 -9.23	53.57 1.56 -12.97	44.41 1.13 -11.07	37.58 1.22 -4.19	32.51 1.25 0.00	29.96 1.01 0.00	27.36 0.98 0.00
AUBURN___LFGE 323710	20.93 0.51 -0.65	20.87 0.54 -0.29	20.84 0.58 -0.17	19.83 0.42 -0.12	19.86 0.42 -0.16	21.03 0.59 -0.10	23.50 0.59 -0.04	25.44 0.56 -0.36	27.75 0.96 -0.19	30.01 1.05 -1.19	31.71 1.34 -1.25	35.40 1.61 -1.65	35.77 1.46 -1.89	36.51 1.71 -2.45	42.99 2.06 -2.80	42.91 2.21 -4.53	47.29 2.32 -4.29	56.88 2.56 -5.14	45.92 2.34 -4.53	37.12 1.67 -3.24	35.83 1.54 -2.11	34.09 1.41 -1.42	31.11 1.04 -1.12	28.09 0.84 -0.86
BABYLON_RES_REC 323704	26.28 1.25 -5.27	23.62 1.26 -2.31	22.45 0.96 -1.40	21.21 0.94 -0.97	21.83 1.23 -1.33	22.61 1.44 -0.83	25.15 1.99 -0.29	28.94 1.52 -2.91	29.93 1.86 -1.47	31.58 2.30 -1.52	32.49 3.35 -0.02	36.85 3.69 -1.01	39.65 3.76 -3.47	41.85 3.46 -6.05	43.97 3.05 -2.79	48.55 3.15 -9.24	55.60 3.58 -11.34	64.16 3.64 -11.34	54.52 2.85 -12.63	45.30 2.13 -10.97	41.73 3.57 -5.98	40.57 3.44 -5.87	31.95 2.98 -0.02	29.26 2.85 -0.02
BABYLON__69_KV_BK2 356345	26.46 1.42 -5.27	23.86 1.50 -2.31	22.61 1.12 -1.40	21.42 1.16 -0.97	22.02 1.43 -1.33	22.83 1.67 -0.83	25.42 2.26 -0.29	29.16 1.74 -2.91	30.17 2.10 -1.47	31.86 2.58 -1.52	32.67 3.52 -0.02	37.18 3.89 -1.15	42.09 4.28 -5.39	43.99 3.91 -7.73	49.14 4.23 -6.78	49.80 4.01 -9.62	59.27 4.56 -14.04	70.79 4.77 -16.84	56.08 3.87 -13.18	46.64 2.58 -11.85	45.75 3.99 -9.58	43.95 3.78 -8.91	32.39 3.42 -0.03	29.59 3.17 -0.03
BARON_WINDS___WT_PWR 323822	21.80 0.83 -1.21	21.34 0.76 -0.53	21.19 0.78 -0.32	20.05 0.54 -0.22	20.05 0.48 -0.30	21.36 0.83 -0.19	23.60 0.66 -0.07	25.55 0.37 -0.67	27.36 0.42 -0.34	28.77 0.42 -0.59	30.19 0.76 -0.31	33.80 1.25 -0.41	35.05 1.75 -0.88	35.69 1.78 -1.57	40.90 2.06 -0.71	41.27 2.42 -2.68	46.13 2.77 -2.68	54.99 2.80 -3.01	45.40 2.77 -3.59	37.03 1.90 -2.92	35.23 1.74 -1.31	33.19 1.59 -0.34	30.31 1.10 -0.26	27.54 0.95 -0.20
BARRETT_IC_1 23704	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_10 23701	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_11 23702	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_12 23703	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_2 23705	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_3 23706	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_4 23707	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_5 23708	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_6 23709	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_7 23710	26.08 1.05 -5.27	23.44 1.08 -2.31	22.29 0.80 -1.40	21.11 0.85 -0.97	21.62 1.02 -1.33	22.34 1.18 -0.83	24.80 1.65 -0.29	28.67 1.25 -2.91	29.50 1.44 -1.47	31.14 1.86 -1.52	31.41 2.27 -0.02	35.60 2.54 -0.92	37.73 2.89 -2.43	40.22 2.72 -5.17	41.61 2.86 -0.63	48.20 2.97 -9.07	54.11 3.34 -10.10	60.89 3.34 -8.37	54.22 2.69 -12.49	44.51 1.64 -10.66	38.80 2.57 -4.05	37.79 2.31 -4.22	31.05 2.08 -0.02	28.44 2.03 -0.02



BARRETT_IC_8 23711	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT_IC_9 23700	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT___1 23545	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BARRETT___2 23546	26.08 1.05 -5.27	23.40 1.04 -2.31	22.29 0.80 -1.40	21.07 0.81 -0.97	21.61 1.02 -1.33	22.34 1.18 -0.83	24.81 1.65 -0.29	28.67 1.25 -2.91	29.55 1.49 -1.47	31.14 1.86 -1.52	31.67 2.53 -0.01	35.91 2.86 -0.91	37.82 2.98 -2.42	40.26 2.75 -5.17	41.49 2.75 -0.62	48.08 2.86 -9.06	54.19 3.42 -10.09	60.93 3.44 -8.31	54.10 2.66 -12.40	44.63 1.83 -10.59	38.93 2.73 -4.02	37.97 2.50 -4.22	31.07 2.11 -0.01	28.52 2.11 -0.02
BATAVIA___115KV_TB1 55881	21.55 0.99 -0.80	21.28 0.88 -0.35	21.18 0.88 -0.21	19.96 0.52 -0.15	19.93 0.46 -0.20	21.38 0.92 -0.12	23.48 0.57 -0.04	25.03 0.07 -0.44	26.96 0.13 -0.22	28.21 0.22 -0.23	29.85 0.73 0.00	33.27 1.12 0.00	34.83 2.04 -0.37	35.27 2.13 -0.79	40.85 2.63 -0.10	40.92 2.82 -1.92	45.40 3.46 -1.26	54.03 3.49 -1.36	44.43 3.47 -1.91	36.45 2.61 -1.63	35.07 2.32 -0.58	33.23 1.97 0.00	30.45 1.51 0.00	27.79 1.40 0.00
BAYONEEC___CTG1 323682	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG10 323750	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG2 323683	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG3 323684	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG4 323685	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG5 323686	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG6 323687	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG7 323688	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG8 323689	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BAYONEEC___CTG9 323749	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.20 1.04 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.00 2.92 -1.66	38.19 2.78 -3.06	40.89 3.47 0.70	47.04 3.47 -7.40	54.64 3.91 -10.06	61.77 4.33 -8.26	50.99 3.52 -8.43	42.84 2.48 -8.15	37.05 2.58 -2.30	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00



BEACON___LESR 323632	31.48 1.01 -10.71	25.80 1.06 -4.69	24.02 1.08 -2.85	22.31 1.04 -1.98	23.00 1.04 -2.69	23.09 1.08 -1.68	24.65 1.19 -0.60	31.65 1.23 -5.91	30.84 1.28 -2.96	32.13 1.30 -3.07	30.49 1.37 0.00	33.72 1.57 0.00	38.87 1.56 -4.89	44.44 1.55 -10.54	41.23 1.83 -1.27	45.68 1.77 -7.73	59.48 1.99 -16.81	69.36 2.26 -17.91	66.04 1.84 -25.16	55.14 1.45 -21.48	41.71 1.41 -8.12	32.66 1.41 0.00	30.25 1.30 0.00	27.60 1.21 0.00
BEAVER RIVER___HYD 24048	20.28 0.51 0.00	20.57 0.52 0.00	20.58 0.50 0.00	19.73 0.44 0.00	19.63 0.37 0.00	20.89 0.55 0.00	23.53 0.66 0.00	25.17 0.66 0.00	27.16 0.56 0.00	28.92 0.58 -0.57	30.14 0.29 -0.72	33.74 0.64 -0.95	33.95 0.58 -0.95	33.83 0.42 -1.07	40.32 0.57 -1.62	38.82 0.07 -2.58	42.48 0.00 -1.80	51.89 0.49 -2.22	40.98 0.31 -1.63	33.51 0.26 -1.05	33.29 0.23 -0.89	32.83 0.78 -0.79	30.47 0.90 -0.62	27.55 0.68 -0.47
BEEBEE_GT_13 23619	21.01 0.63 -0.62	20.88 0.56 -0.27	20.79 0.54 -0.16	19.71 0.31 -0.11	19.69 0.27 -0.16	20.98 0.55 -0.10	23.27 0.37 -0.03	24.95 0.10 -0.34	26.96 0.19 -0.17	28.30 0.36 -0.18	29.85 0.73 0.00	33.14 1.00 0.00	34.26 1.56 -0.29	34.68 1.71 -0.62	40.26 2.06 -0.07	40.10 2.10 -1.84	44.27 2.60 -0.98	52.75 2.51 -1.06	42.98 2.46 -1.48	35.34 1.87 -1.27	34.14 1.48 -0.48	32.54 1.28 0.00	29.87 0.93 0.00	27.23 0.84 0.00
BENSHRST_27_KV_BENSHRST_1 355998	26.39 1.34 -5.28	23.71 1.34 -2.32	22.74 1.25 -1.41	21.52 1.25 -0.98	21.82 1.21 -1.33	22.42 1.26 -0.83	24.76 1.60 -0.29	29.01 1.59 -2.91	29.90 1.84 -1.46	31.64 2.36 -1.52	31.83 2.71 0.00	35.24 3.09 -0.02	38.20 3.37 -2.41	40.73 3.20 -5.19	42.81 4.00 -0.68	49.34 4.09 -9.08	55.05 4.27 -10.09	159.69 5.31 -105.20	88.21 3.98 -45.19	45.63 2.77 -10.66	39.25 2.99 -4.08	34.18 2.81 -0.11	31.48 2.52 -0.02	28.74 2.35 -0.01
BETHLEHEM___GRP 23843	31.03 0.69 -10.57	25.46 0.78 -4.63	23.70 0.80 -2.82	22.03 0.79 -1.95	22.72 0.79 -2.66	22.79 0.79 -1.66	24.32 0.87 -0.59	31.18 0.83 -5.84	30.32 0.80 -2.92	31.60 0.81 -3.03	29.79 0.67 0.00	32.85 0.71 0.00	38.03 0.78 -4.83	43.49 0.74 -10.41	40.30 0.92 -1.25	44.68 0.90 -7.61	58.23 0.98 -16.58	67.93 1.08 -17.67	64.76 0.90 -24.82	54.07 0.68 -21.19	40.93 0.74 -8.01	31.91 0.66 0.00	29.61 0.67 0.00	27.05 0.66 0.00
BETHLEHEM___GS1 323560	31.03 0.69 -10.57	25.46 0.78 -4.63	23.70 0.80 -2.82	22.03 0.79 -1.95	22.72 0.79 -2.66	22.79 0.79 -1.66	24.32 0.87 -0.59	31.18 0.83 -5.84	30.32 0.80 -2.92	31.60 0.81 -3.03	29.91 0.79 0.00	33.01 0.87 0.00	38.03 0.78 -4.83	43.52 0.77 -10.41	40.34 0.95 -1.25	44.68 0.90 -7.61	58.27 1.02 -16.58	67.94 1.08 -17.68	64.77 0.90 -24.83	54.12 0.71 -21.20	40.93 0.74 -8.01	32.01 0.75 0.00	29.64 0.69 0.00	27.07 0.68 0.00
BETHLEHEM___GS2 323561	31.03 0.69 -10.57	25.46 0.78 -4.63	23.70 0.80 -2.82	22.03 0.79 -1.95	22.72 0.79 -2.66	22.79 0.79 -1.66	24.32 0.87 -0.59	31.18 0.83 -5.84	30.32 0.80 -2.92	31.60 0.81 -3.03	29.91 0.79 0.00	33.01 0.87 0.00	38.03 0.78 -4.83	43.52 0.77 -10.41	40.34 0.95 -1.25	44.68 0.90 -7.61	58.27 1.02 -16.58	67.94 1.08 -17.68	64.77 0.90 -24.83	54.12 0.71 -21.20	40.93 0.74 -8.01	32.01 0.75 0.00	29.64 0.69 0.00	27.07 0.68 0.00
BETHLEHEM___GS3 323562	31.03 0.69 -10.57	25.46 0.78 -4.63	23.70 0.80 -2.82	22.03 0.79 -1.95	22.72 0.79 -2.66	22.79 0.79 -1.66	24.32 0.87 -0.59	31.18 0.83 -5.84	30.32 0.80 -2.92	31.60 0.81 -3.03	29.91 0.79 0.00	33.01 0.87 0.00	38.03 0.78 -4.83	43.52 0.77 -10.41	40.34 0.95 -1.25	44.68 0.90 -7.61	58.27 1.02 -16.58	67.94 1.08 -17.68	64.77 0.90 -24.83	54.12 0.71 -21.20	40.93 0.74 -8.01	32.01 0.75 0.00	29.64 0.69 0.00	27.07 0.68 0.00
BETHLEHEM___STEEL 23779	21.57 0.91 -0.89	21.22 0.78 -0.39	21.12 0.80 -0.24	19.92 0.46 -0.16	19.88 0.39 -0.22	21.29 0.81 -0.14	23.37 0.46 -0.05	25.00 0.00 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.71 0.58 0.00	33.17 1.03 0.00	34.78 1.95 -0.41	35.20 1.97 -0.89	40.67 2.44 -0.11	40.85 2.71 -1.97	45.43 3.34 -1.42	53.90 3.20 -1.52	44.38 3.20 -2.14	36.26 2.22 -1.83	34.73 1.87 -0.69	32.69 1.44 0.00	29.93 0.98 0.00	27.36 0.98 0.00
BETHLHEM_115KV_TB1 79974	30.74 0.69 -10.29	25.34 0.78 -4.51	23.63 0.80 -2.74	21.98 0.79 -1.90	22.65 0.79 -2.59	22.74 0.79 -1.61	24.33 0.89 -0.57	31.05 0.86 -5.68	30.27 0.82 -2.84	31.57 0.86 -2.95	29.85 0.73 0.00	32.91 0.77 0.00	37.96 0.84 -4.70	43.27 0.81 -10.12	40.34 0.99 -1.22	44.52 0.94 -7.41	57.85 1.06 -16.11	67.55 1.18 -17.18	64.15 0.98 -24.14	53.56 0.74 -20.61	40.77 0.80 -7.79	31.98 0.72 0.00	29.70 0.75 0.00	27.10 0.71 0.00
BETHPAGE_CC_5 323564	26.24 1.21 -5.27	23.58 1.22 -2.31	22.43 0.94 -1.40	21.21 0.94 -0.97	21.77 1.18 -1.33	22.55 1.38 -0.83	25.06 1.90 -0.29	28.89 1.47 -2.91	29.82 1.76 -1.47	31.50 2.22 -1.52	32.23 3.09 -0.02	36.48 3.37 -0.96	38.81 3.43 -2.96	40.93 3.11 -5.48	42.90 3.05 -1.72	48.47 3.18 -9.11	54.86 3.74 -10.44	62.52 3.84 -9.50	54.48 2.97 -12.47	44.97 2.06 -10.70	40.38 3.19 -5.02	39.32 3.00 -5.06	31.66 2.69 -0.02	29.07 2.66 -0.02
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	21.62 0.95 -0.91	21.27 0.82 -0.40	21.17 0.84 -0.24	19.96 0.50 -0.17	19.92 0.42 -0.23	21.31 0.83 -0.14	23.44 0.53 -0.05	25.06 0.05 -0.50	27.04 0.19 -0.25	28.16 0.14 -0.26	29.76 0.64 0.00	33.24 1.09 0.00	34.85 2.01 -0.42	35.31 2.07 -0.90	40.75 2.52 -0.11	40.93 2.79 -1.98	45.54 3.42 -1.44	54.02 3.30 -1.55	44.49 3.28 -2.17	36.32 2.25 -1.86	34.80 1.93 -0.70	32.73 1.47 0.00	29.93 0.98 0.00	27.36 0.98 0.00
BINGHAMTON___COGEN 23790	22.13 0.51 -1.85	21.36 0.50 -0.81	21.08 0.50 -0.49	20.04 0.41 -0.34	20.12 0.39 -0.47	21.16 0.53 -0.29	23.47 0.50 -0.10	25.93 0.39 -1.02	27.57 0.45 -0.52	29.22 0.47 -0.99	30.37 0.67 -0.57	33.83 0.93 -0.75	35.32 1.33 -1.57	36.31 1.33 -2.64	41.19 1.60 -1.46	41.52 1.70 -3.65	47.04 1.99 -4.37	56.17 2.07 -4.93	46.77 1.99 -5.74	38.18 1.35 -4.62	35.60 1.29 -2.14	33.01 1.13 -0.63	30.28 0.84 -0.49	27.50 0.74 -0.38
BIXINCNT_115KV_LOAD 355685	21.75 1.01 -0.98	21.38 0.90 -0.43	21.27 0.92 -0.26	20.07 0.60 -0.18	20.04 0.52 -0.25	21.45 0.96 -0.15	23.61 0.69 -0.05	25.32 0.27 -0.54	27.30 0.43 -0.27	28.32 0.28 -0.28	29.91 0.79 0.00	33.46 1.32 0.00	35.04 2.17 -0.44	35.44 2.13 -0.96	40.76 2.52 -0.12	40.92 2.75 -2.00	45.55 3.34 -1.54	54.03 3.20 -1.65	44.64 3.28 -2.32	36.32 2.13 -1.98	34.79 1.87 -0.74	32.73 1.47 0.00	29.87 0.93 0.00	27.28 0.90 0.00
BLACK RIVER___HYD 24047	20.53 0.77 0.00	20.81 0.76 0.00	20.83 0.74 0.00	19.95 0.66 0.00	19.79 0.52 0.00	21.13 0.79 0.00	23.80 0.94 0.00	25.35 0.83 0.00	27.29 0.69 0.00	29.49 0.78 -0.96	30.88 0.55 -1.20	34.79 1.06 -1.59	35.03 1.04 -1.57	35.10 0.97 -1.78	42.09 1.26 -2.71	40.77 0.79 -3.80	44.45 0.77 -2.99	54.26 1.38 -3.70	42.90 1.13 -2.72	34.89 0.93 -1.74	34.52 0.87 -1.48	34.16 1.59 -1.31	31.34 1.36 -1.04	28.21 1.03 -0.79



BLACKRVR_115KV_TB2 79977	20.53 0.77 0.00	20.81 0.76 0.00	20.83 0.74 0.00	19.95 0.66 0.00	19.79 0.52 0.00	21.13 0.79 0.00	23.80 0.94 0.00	25.35 0.83 0.00	27.29 0.69 0.00	29.50 0.78 -0.96	31.00 0.67 -1.21	34.76 1.03 -1.59	35.06 1.07 -1.57	35.10 0.97 -1.78	42.13 1.30 -2.71	40.77 0.80 -3.81	44.49 0.81 -2.99	54.26 1.38 -3.70	42.91 1.17 -2.70	34.87 0.93 -1.73	34.51 0.87 -1.46	34.12 1.56 -1.30	31.33 1.36 -1.03	28.23 1.06 -0.78
BLISS_WT_PWR 323608	21.75 1.01 -0.98	21.40 0.92 -0.43	21.29 0.94 -0.26	20.07 0.60 -0.18	20.05 0.54 -0.25	21.49 1.00 -0.15	23.63 0.71 -0.05	25.37 0.32 -0.54	27.33 0.45 -0.27	28.35 0.31 -0.28	29.82 0.70 0.00	33.62 1.48 0.00	34.91 2.04 -0.45	35.35 2.04 -0.97	40.57 2.33 -0.12	40.89 2.71 -2.01	45.39 3.18 -1.54	53.93 3.10 -1.65	44.41 3.05 -2.32	36.16 1.96 -1.98	34.66 1.74 -0.75	32.88 1.62 0.00	29.84 0.90 0.00	27.18 0.79 0.00
BLUE_CIRC_CHEM_DRP 24182	29.71 0.93 -9.02	24.96 0.96 -3.95	23.49 1.00 -2.40	21.92 0.96 -1.66	22.50 0.96 -2.27	22.73 0.98 -1.41	24.42 1.05 -0.50	30.54 1.05 -4.98	30.22 1.12 -2.50	31.46 1.11 -2.59	30.14 1.02 0.00	33.20 1.06 0.00	37.61 1.07 -4.12	42.29 1.07 -8.88	40.46 1.26 -1.07	44.26 1.19 -6.90	56.17 1.30 -14.19	65.85 1.62 -15.05	61.55 1.37 -21.14	51.38 1.13 -18.05	40.19 1.19 -6.82	32.35 1.09 0.00	30.10 1.16 0.00	27.47 1.08 0.00
BOC_GAS_DRP 24189	29.11 0.67 -8.68	24.55 0.70 -3.80	23.12 0.72 -2.31	21.62 0.73 -1.60	22.18 0.73 -2.18	22.41 0.71 -1.36	24.17 0.82 -0.48	30.11 0.81 -4.79	29.83 0.82 -2.40	31.14 0.89 -2.49	29.94 0.82 0.00	33.01 0.87 0.00	37.33 0.94 -3.96	41.79 0.91 -8.54	40.22 1.07 -1.03	43.55 1.05 -6.33	55.36 1.14 -13.54	65.00 1.33 -14.49	60.48 1.09 -20.35	50.45 0.87 -17.37	39.68 0.93 -6.57	32.10 0.84 0.00	29.79 0.84 0.00	27.18 0.79 0.00
BOONVILLE_115KV_TB1 79983	20.30 0.53 0.00	20.59 0.54 0.00	20.62 0.54 0.00	19.77 0.48 0.00	19.69 0.42 0.00	20.91 0.57 0.00	23.55 0.69 0.00	25.22 0.71 0.00	27.32 0.72 0.00	28.81 0.78 -0.27	30.25 0.79 -0.34	33.78 1.19 -0.45	34.07 1.20 -0.45	33.89 1.03 -0.51	40.20 1.30 -0.78	39.25 0.87 -2.21	42.47 0.94 -0.85	51.57 1.33 -1.06	40.90 1.09 -0.76	33.50 0.81 -0.49	33.36 0.77 -0.41	32.72 1.09 -0.37	30.19 0.96 -0.29	27.40 0.79 -0.22
BORALEX_4TH_BRANCH 23824	33.80 1.25 -12.79	26.89 1.24 -5.60	24.71 1.23 -3.41	22.86 1.22 -2.36	23.70 1.21 -3.22	23.60 1.26 -2.00	25.06 1.49 -0.71	33.06 1.50 -7.06	31.77 1.65 -3.52	33.18 1.78 -3.65	30.87 1.75 0.00	33.91 1.77 0.00	40.11 1.85 -5.84	46.77 1.84 -12.58	41.97 2.33 -1.52	47.60 2.10 -9.34	63.34 2.44 -20.22	73.37 2.80 -21.39	71.35 2.26 -30.04	59.66 1.80 -25.65	43.80 1.93 -9.70	33.13 1.88 0.00	30.57 1.62 0.00	27.97 1.58 0.00
BOWLINE___1 23526	25.64 0.77 -5.10	23.09 0.80 -2.24	22.19 0.74 -1.36	21.02 0.79 -0.94	21.34 0.79 -1.28	21.97 0.83 -0.80	24.25 1.10 -0.28	28.33 1.01 -2.82	29.11 1.09 -1.42	30.64 1.41 -1.47	31.11 1.98 0.00	34.39 2.25 0.00	37.02 2.27 -2.33	39.53 2.17 -5.02	41.48 2.75 -0.61	47.81 2.75 -8.89	53.59 3.09 -9.82	61.09 3.35 -8.56	53.80 2.73 -12.03	44.31 1.83 -10.27	37.96 1.90 -3.88	33.07 1.81 0.00	30.39 1.45 0.00	27.81 1.42 0.00
BOWLINE___2 23595	25.68 0.81 -5.10	23.11 0.82 -2.24	22.21 0.76 -1.36	21.04 0.81 -0.94	21.36 0.81 -1.28	22.01 0.87 -0.80	24.29 1.14 -0.28	28.36 1.03 -2.82	29.11 1.09 -1.42	30.65 1.41 -1.47	31.13 2.01 0.00	34.39 2.25 0.00	37.02 2.27 -2.33	39.57 2.20 -5.02	41.51 2.78 -0.61	47.81 2.75 -8.89	53.59 3.09 -9.82	61.09 3.35 -8.56	53.84 2.77 -12.03	44.31 1.83 -10.27	37.99 1.93 -3.88	33.07 1.81 0.00	30.39 1.45 0.00	27.86 1.48 0.00
BRADY___115KV_TB2 356060	19.65 -0.12 0.00	19.95 -0.10 0.00	19.98 -0.10 0.00	19.17 -0.12 0.00	19.13 -0.13 0.00	20.22 -0.12 0.00	22.77 -0.09 0.00	24.54 0.02 0.00	26.60 0.00 0.00	27.68 -0.08 0.00	28.92 -0.20 0.00	31.50 -0.64 0.00	31.38 -1.04 0.00	31.15 -1.20 0.00	36.60 -1.53 0.00	33.67 -2.03 0.47	38.44 -2.24 0.00	47.61 -1.57 0.00	37.01 -2.03 0.00	30.69 -1.51 0.00	30.63 -1.54 0.00	30.16 -1.09 0.00	28.72 -0.23 0.00	26.18 -0.21 0.00
BRANSCOMB___SOLAR 323811	36.64 1.40 -15.48	28.15 1.32 -6.78	25.57 1.37 -4.12	23.42 1.27 -2.86	24.43 1.27 -3.89	24.12 1.36 -2.42	25.19 1.46 -0.86	34.57 1.52 -8.54	32.61 1.76 -4.25	34.00 1.83 -4.41	31.16 2.04 0.00	34.46 2.32 0.00	41.95 2.46 -7.07	50.06 2.49 -15.23	42.74 2.78 -1.84	49.27 2.71 -10.39	68.04 3.13 -24.22	78.86 3.79 -25.89	78.46 3.05 -36.37	65.74 2.48 -31.05	46.43 2.51 -11.74	33.70 2.44 0.00	31.00 2.06 0.00	28.26 1.87 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	26.32 1.28 -5.27	23.74 1.38 -2.31	22.47 0.98 -1.40	21.32 1.06 -0.97	21.92 1.33 -1.33	22.73 1.57 -0.83	25.31 2.15 -0.29	29.01 1.59 -2.91	29.98 1.92 -1.47	31.69 2.42 -1.52	32.52 3.38 -0.02	36.99 3.70 -1.15	46.25 4.09 -9.74	43.68 3.56 -7.78	57.70 3.77 -15.79	49.27 3.47 -9.63	58.77 3.99 -14.11	70.25 4.08 -16.99	55.51 3.28 -13.19	46.18 2.09 -11.87	53.21 3.60 -17.43	50.66 3.63 -15.78	32.21 3.21 -0.05	29.42 2.98 -0.05
BRISTLHL_115KV_TB1 79998	19.67 -0.10 0.00	19.95 -0.10 0.00	19.98 -0.10 0.00	19.14 -0.15 0.00	19.10 -0.17 0.00	20.24 -0.10 0.00	22.68 -0.18 0.00	24.24 -0.27 0.00	26.28 -0.32 0.00	29.53 -0.31 -2.08	31.53 -0.20 -2.61	35.55 -0.03 -3.44	36.02 0.19 -3.40	36.39 0.19 -3.86	44.25 0.27 -5.85	43.81 0.40 -7.24	47.62 0.45 -6.50	57.56 0.34 -8.03	45.41 0.47 -5.90	36.25 0.26 -3.78	35.57 0.19 -3.20	34.20 0.09 -2.85	31.16 -0.03 -2.24	28.02 -0.08 -1.71
BROOKHAVEN___DRP 24191	26.26 1.23 -5.27	23.80 1.44 -2.31	22.37 0.88 -1.40	21.25 0.98 -0.97	21.98 1.39 -1.33	22.85 1.69 -0.83	25.49 2.33 -0.29	28.82 1.40 -2.91	29.82 1.76 -1.47	31.44 2.17 -1.52	32.82 3.67 -0.03	37.94 3.89 -1.91	42.07 4.18 -5.47	53.57 3.95 -17.29	49.25 4.12 -7.01	51.75 3.83 -11.74	74.42 4.47 -29.26	101.51 4.72 -47.61	58.75 3.87 -15.84	51.25 2.58 -16.46	46.56 3.99 -10.40	44.11 3.78 -9.07	32.47 3.50 -0.02	29.66 3.25 -0.02
BROOKLYN_NAVY_YARD 23515	26.02 0.99 -5.27	23.36 1.00 -2.31	22.39 0.90 -1.40	21.19 0.93 -0.97	21.52 0.92 -1.33	22.18 1.02 -0.83	24.51 1.35 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.28 2.00 -1.52	31.63 2.51 0.00	35.02 2.86 -0.02	37.75 2.92 -2.41	40.28 2.75 -5.19	42.14 3.39 -0.63	48.65 3.40 -9.08	54.60 3.82 -10.09	62.31 4.28 -8.85	54.96 3.52 -12.41	45.25 2.45 -10.59	38.76 2.58 -4.00	33.70 2.44 0.00	30.98 2.03 -0.01	28.34 1.95 0.00
BROOKLYN___ARMY_DRP 323595	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01



BROOKVLE_69_KV_TB1 55790	26.24 1.21 -5.27	23.58 1.22 -2.31	22.51 1.02 -1.40	21.32 1.06 -0.97	21.75 1.16 -1.33	22.46 1.30 -0.83	24.92 1.76 -0.29	28.94 1.52 -2.91	29.85 1.78 -1.47	31.50 2.22 -1.52	31.94 2.80 -0.02	36.10 3.02 -0.93	38.22 3.37 -2.43	40.79 3.23 -5.22	42.37 3.62 -0.63	48.96 3.73 -9.07	54.97 4.19 -10.10	62.52 4.48 -8.87	55.04 3.51 -12.49	45.19 2.32 -10.66	39.23 2.99 -4.06	38.17 2.69 -4.22	31.51 2.55 -0.02	28.78 2.37 -0.02
BROOME_2_LFGE 323671	22.13 0.51 -1.85	21.36 0.50 -0.81	21.08 0.50 -0.49	20.04 0.41 -0.34	20.12 0.39 -0.47	21.16 0.53 -0.29	23.47 0.50 -0.10	25.93 0.39 -1.02	27.57 0.45 -0.52	29.22 0.47 -0.99	30.43 0.73 -0.58	33.96 1.06 -0.76	35.25 1.26 -1.57	36.28 1.30 -2.64	41.15 1.56 -1.46	41.52 1.70 -3.65	47.00 1.95 -4.36	56.17 2.07 -4.93	46.69 1.91 -5.74	38.15 1.32 -4.62	35.57 1.25 -2.14	33.07 1.19 -0.63	30.25 0.81 -0.49	27.45 0.68 -0.38
BROOME___LFGE 323600	22.13 0.51 -1.85	21.36 0.50 -0.81	21.08 0.50 -0.49	20.04 0.41 -0.34	20.12 0.39 -0.47	21.16 0.53 -0.29	23.47 0.50 -0.10	25.93 0.39 -1.02	27.57 0.45 -0.52	29.22 0.47 -0.99	30.43 0.73 -0.58	33.96 1.06 -0.76	35.25 1.26 -1.57	36.28 1.30 -2.64	41.15 1.56 -1.46	41.52 1.70 -3.65	47.00 1.95 -4.36	56.17 2.07 -4.93	46.69 1.91 -5.74	38.15 1.32 -4.62	35.57 1.25 -2.14	33.07 1.19 -0.63	30.25 0.81 -0.49	27.45 0.68 -0.38
BROWNFLS_115KV_TB_3_5 80003	19.96 0.20 0.00	20.25 0.20 0.00	20.28 0.20 0.00	19.44 0.15 0.00	19.36 0.10 0.00	20.54 0.20 0.00	23.16 0.30 0.00	24.88 0.37 0.00	26.89 0.29 0.00	28.39 0.22 -0.41	29.76 0.12 -0.52	32.85 0.03 -0.68	32.87 -0.23 -0.67	32.62 -0.49 -0.76	38.71 -0.57 -1.16	36.57 -1.19 -1.59	40.54 -1.42 -1.28	49.83 -0.93 -1.58	39.01 -1.13 -1.10	32.01 -0.90 -0.70	31.84 -0.93 -0.60	31.47 -0.31 -0.53	29.62 0.26 -0.42	26.92 0.21 -0.32
BROWNSV1_27_KV_LOAD 356125	26.24 1.21 -5.27	23.58 1.22 -2.31	22.61 1.12 -1.40	21.38 1.12 -0.97	21.71 1.12 -1.33	22.38 1.22 -0.83	24.74 1.58 -0.29	28.99 1.57 -2.91	29.85 1.78 -1.46	31.53 2.25 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.57 3.04 -5.19	42.53 3.77 -0.63	49.16 3.91 -9.08	55.05 4.27 -10.09	63.00 4.92 -8.90	55.31 3.79 -12.48	45.57 2.71 -10.66	39.00 2.80 -4.03	33.85 2.59 0.00	31.27 2.32 -0.01	28.55 2.16 0.00
BURROWS___LYONSDAL 23803	20.32 0.55 0.00	20.59 0.54 0.00	20.62 0.54 0.00	19.77 0.48 0.00	19.69 0.42 0.00	20.91 0.57 0.00	23.57 0.71 0.00	25.22 0.71 0.00	27.29 0.69 0.00	28.84 0.75 -0.33	30.27 0.73 -0.42	33.79 1.09 -0.55	34.04 1.07 -0.55	33.90 0.94 -0.62	40.25 1.18 -0.94	39.18 0.72 -2.28	42.49 0.77 -1.04	51.65 1.18 -1.29	40.94 0.98 -0.93	33.51 0.71 -0.59	33.36 0.68 -0.50	32.77 1.06 -0.45	30.25 0.96 -0.35	27.45 0.79 -0.27
CAITHNESS_CC_1 323624	26.24 1.21 -5.27	23.68 1.32 -2.31	22.35 0.86 -1.40	21.13 0.87 -0.97	21.92 1.33 -1.33	22.77 1.61 -0.83	25.40 2.24 -0.29	28.82 1.40 -2.91	29.82 1.76 -1.47	31.44 2.17 -1.52	32.94 3.78 -0.03	38.13 4.08 -1.90	41.93 4.05 -5.46	53.26 3.69 -17.23	48.70 3.58 -6.99	51.55 3.65 -11.73	74.12 4.27 -29.16	101.01 4.47 -47.36	58.34 3.55 -15.75	51.12 2.54 -16.37	46.36 3.83 -10.36	44.12 3.81 -9.06	32.30 3.33 -0.02	29.60 3.19 -0.02
CALPINE BETH_PAGE_GT4 24209	26.24 1.21 -5.27	23.60 1.24 -2.31	22.43 0.94 -1.40	21.26 1.00 -0.97	21.77 1.18 -1.33	22.53 1.36 -0.83	25.03 1.87 -0.29	28.84 1.42 -2.91	29.79 1.73 -1.47	31.47 2.19 -1.52	31.94 2.80 -0.02	36.09 2.99 -0.96	38.57 3.34 -2.81	40.83 3.07 -5.42	42.74 3.20 -1.41	48.53 3.26 -9.10	54.73 3.70 -10.35	62.29 3.74 -9.38	54.58 3.01 -12.53	44.81 1.87 -10.74	39.94 2.99 -4.77	38.80 2.72 -4.82	31.60 2.63 -0.02	28.94 2.53 -0.02
CALPINE_BETH_PAGE_GT_4 323586	26.24 1.21 -5.27	23.58 1.22 -2.31	22.43 0.94 -1.40	21.21 0.94 -0.97	21.77 1.18 -1.33	22.53 1.36 -0.83	25.03 1.88 -0.29	28.84 1.42 -2.91	29.79 1.73 -1.47	31.47 2.19 -1.52	32.20 3.06 -0.02	36.41 3.31 -0.96	38.60 3.37 -2.81	40.84 3.07 -5.42	42.55 3.01 -1.41	48.45 3.18 -9.10	54.77 3.74 -10.35	62.34 3.84 -9.32	54.46 2.97 -12.45	44.94 2.06 -10.67	40.07 3.16 -4.74	39.02 2.94 -4.82	31.63 2.66 -0.02	29.02 2.61 -0.02
CALPINE_BP_GT1 23823	26.24 1.21 -5.27	23.58 1.22 -2.31	22.43 0.94 -1.40	21.21 0.94 -0.97	21.77 1.18 -1.33	22.53 1.36 -0.83	25.03 1.88 -0.29	28.84 1.42 -2.91	29.79 1.73 -1.47	31.47 2.19 -1.52	32.20 3.06 -0.02	36.41 3.31 -0.96	38.60 3.37 -2.81	40.84 3.07 -5.42	42.55 3.01 -1.41	48.45 3.18 -9.10	54.77 3.74 -10.35	62.34 3.84 -9.32	54.46 2.97 -12.45	44.94 2.06 -10.67	40.07 3.16 -4.74	39.02 2.94 -4.82	31.63 2.66 -0.02	29.02 2.61 -0.02
CALSPAN___DRP 24200	21.57 0.91 -0.89	21.22 0.78 -0.39	21.12 0.80 -0.24	19.92 0.46 -0.16	19.88 0.39 -0.22	21.29 0.81 -0.14	23.37 0.46 -0.05	25.00 0.00 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.71 0.58 0.00	33.17 1.03 0.00	34.78 1.95 -0.41	35.20 1.97 -0.89	40.67 2.44 -0.11	40.85 2.71 -1.97	45.43 3.34 -1.42	53.90 3.20 -1.52	44.38 3.20 -2.14	36.26 2.22 -1.83	34.73 1.87 -0.69	32.69 1.44 0.00	29.93 0.98 0.00	27.36 0.98 0.00
CALVERTON___SOLAR 323806	26.32 1.28 -5.27	23.80 1.44 -2.31	22.43 0.94 -1.40	21.19 0.93 -0.97	22.06 1.46 -1.33	22.95 1.79 -0.83	25.63 2.47 -0.29	28.87 1.45 -2.91	29.90 1.83 -1.47	31.50 2.22 -1.52	33.26 4.11 -0.03	38.43 4.37 -1.91	42.23 4.35 -5.47	53.73 4.08 -17.32	49.22 4.08 -7.01	52.08 4.16 -11.75	74.83 4.84 -29.31	101.99 5.16 -47.64	59.00 4.18 -15.78	51.65 3.03 -16.41	46.84 4.28 -10.38	44.54 4.22 -9.07	32.68 3.71 -0.02	29.89 3.48 -0.02
CANDIGU_WT_PWR 323617	21.80 0.83 -1.21	21.34 0.76 -0.53	21.19 0.78 -0.32	20.05 0.54 -0.22	20.05 0.48 -0.30	21.36 0.83 -0.19	23.60 0.66 -0.07	25.55 0.37 -0.67	27.36 0.42 -0.34	28.77 0.42 -0.59	30.19 0.76 -0.31	33.80 1.25 -0.41	35.05 1.75 -0.88	35.69 1.78 -1.57	40.90 2.06 -0.71	41.27 2.42 -2.68	46.13 2.77 -2.68	54.99 2.80 -3.01	45.40 2.77 -3.59	37.03 1.90 -2.92	35.23 1.74 -1.31	33.19 1.59 -0.34	30.31 1.10 -0.26	27.54 0.95 -0.20
CARR STREET_E_SYR 24060	20.24 0.04 -0.43	20.28 0.04 -0.19	20.22 0.02 -0.12	19.33 -0.04 -0.08	19.32 -0.06 -0.11	20.45 0.04 -0.07	22.87 -0.02 -0.02	24.65 -0.10 -0.24	26.61 -0.11 -0.12	28.37 -0.14 -0.75	29.85 -0.06 -0.78	33.31 0.13 -1.03	33.99 0.32 -1.24	34.31 0.36 -1.61	40.39 0.42 -1.84	40.25 0.58 -3.50	43.93 0.61 -2.64	52.88 0.54 -3.16	42.45 0.59 -2.82	34.56 0.32 -2.03	33.70 0.23 -1.30	32.33 0.22 -0.86	29.68 0.06 -0.67	26.82 -0.08 -0.52
CARTHAGE___PAPER 23857	20.38 0.61 0.00	20.65 0.60 0.00	20.68 0.60 0.00	19.81 0.52 0.00	19.69 0.42 0.00	20.97 0.63 0.00	23.64 0.78 0.00	25.22 0.71 0.00	27.18 0.58 0.00	29.21 0.64 -0.81	30.46 0.32 -1.02	34.19 0.71 -1.34	34.40 0.65 -1.33	34.40 0.55 -1.51	41.10 0.69 -2.29	39.76 0.25 -3.33	43.42 0.20 -2.53	53.10 0.78 -3.13	41.89 0.55 -2.30	34.17 0.48 -1.47	33.88 0.45 -1.25	33.46 1.09 -1.11	30.89 1.07 -0.88	27.87 0.82 -0.67



CASSADAGA_WT_PWR 323784	22.30 1.56 -0.98	21.96 1.48 -0.43	21.85 1.51 -0.26	20.61 1.14 -0.18	20.57 1.06 -0.25	22.10 1.61 -0.15	24.38 1.46 -0.05	26.23 1.18 -0.54	28.31 1.44 -0.27	29.45 1.41 -0.28	31.11 1.98 0.00	34.78 2.64 0.00	35.98 3.11 -0.45	36.44 3.14 -0.96	41.75 3.51 -0.12	42.08 3.91 -2.00	46.69 4.47 -1.53	55.40 4.57 -1.65	45.61 4.26 -2.32	37.28 3.09 -1.98	35.85 2.93 -0.75	33.88 2.63 0.00	30.68 1.74 0.00	27.92 1.53 0.00
CE_DUNWOOD___DRP 24194	25.99 0.97 -5.26	23.35 1.00 -2.30	22.41 0.92 -1.40	21.20 0.95 -0.97	21.54 0.94 -1.32	22.18 1.02 -0.82	24.48 1.33 -0.29	28.69 1.27 -2.90	29.47 1.41 -1.46	31.08 1.80 -1.52	31.25 2.13 0.00	34.52 2.38 0.00	37.45 2.63 -2.40	40.07 2.56 -5.18	41.88 3.13 -0.62	48.52 3.29 -9.05	54.38 3.62 -10.08	62.08 4.03 -8.87	54.62 3.12 -12.46	45.03 2.19 -10.63	38.51 2.32 -4.02	33.35 2.09 0.00	30.77 1.82 0.00	28.10 1.72 0.00
CE_MILLWOOD___DRP 24193	25.93 0.93 -5.24	23.30 0.96 -2.30	22.36 0.88 -1.40	21.16 0.91 -0.97	21.49 0.91 -1.32	22.13 0.98 -0.82	24.44 1.28 -0.29	28.60 1.20 -2.89	29.41 1.36 -1.46	30.99 1.72 -1.51	31.16 2.04 0.00	34.42 2.28 0.00	37.34 2.53 -2.39	39.96 2.46 -5.16	41.76 3.01 -0.62	48.35 3.15 -9.03	54.22 3.50 -10.04	61.90 3.89 -8.84	54.46 3.01 -12.41	44.90 2.09 -10.59	38.40 2.22 -4.00	33.26 2.00 0.00	30.68 1.74 0.00	28.02 1.64 0.00
CE_NYC2_DRP 24202	26.16 1.13 -5.27	23.50 1.14 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.63 1.04 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.69 1.62 -1.46	31.36 2.08 -1.52	31.54 2.42 0.00	34.89 2.73 -0.02	37.75 2.92 -2.41	40.28 2.75 -5.19	42.22 3.47 -0.63	48.83 3.58 -9.08	54.56 3.78 -10.09	62.61 4.52 -8.90	54.92 3.40 -12.48	45.22 2.35 -10.66	38.75 2.54 -4.03	33.70 2.44 -0.01	31.13 2.17 -0.01	28.43 2.03 -0.01
CE_NYC_DRP 24195	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.28 2.00 -1.52	31.48 2.36 0.00	34.79 2.64 -0.02	37.65 2.82 -2.41	40.25 2.72 -5.19	42.15 3.39 -0.63	48.80 3.54 -9.08	54.64 3.86 -10.09	62.46 4.38 -8.90	54.84 3.32 -12.48	45.22 2.35 -10.66	38.68 2.48 -4.03	33.54 2.28 0.00	31.01 2.06 -0.01	28.31 1.93 0.00
CHAFFEE___LFGE 323603	21.76 1.07 -0.93	21.40 0.94 -0.41	21.30 0.96 -0.25	20.06 0.60 -0.17	20.02 0.52 -0.23	21.46 0.98 -0.15	23.56 0.64 -0.05	25.25 0.22 -0.52	27.21 0.34 -0.26	28.36 0.33 -0.27	29.79 0.67 0.00	33.62 1.48 0.00	34.92 2.08 -0.43	35.43 2.17 -0.92	40.71 2.48 -0.11	41.16 3.00 -1.98	45.61 3.46 -1.47	54.21 3.44 -1.59	44.55 3.28 -2.23	36.33 2.22 -1.90	34.83 1.93 -0.72	32.97 1.72 0.00	29.99 1.04 0.00	27.31 0.92 0.00
CHATEAUG_35_KV_LOAD 355732	19.88 0.12 0.00	20.17 0.12 0.00	20.18 0.10 0.00	19.37 0.08 0.00	19.38 0.12 0.00	20.44 0.10 0.00	23.03 0.16 0.00	24.93 0.42 0.00	27.05 0.45 0.00	28.12 0.36 0.00	29.44 0.32 0.00	32.37 0.22 0.00	32.32 -0.10 0.00	32.18 -0.16 0.00	37.63 -0.50 0.00	34.58 -0.98 0.61	39.79 -0.89 0.00	48.64 -0.54 0.00	38.34 -0.70 0.00	31.72 -0.48 0.00	31.69 -0.48 0.00	30.98 -0.28 0.00	28.89 -0.06 0.00	26.23 -0.16 0.00
CHATEAUG_WT_PWR 323614	19.90 0.14 0.00	20.19 0.14 0.00	20.20 0.12 0.00	19.41 0.12 0.00	19.40 0.14 0.00	20.46 0.12 0.00	23.03 0.16 0.00	24.93 0.42 0.00	27.08 0.48 0.00	28.18 0.42 0.00	29.27 0.15 0.00	32.24 0.10 0.00	32.39 -0.03 0.00	32.28 -0.06 0.00	37.75 -0.38 0.00	34.64 -0.87 0.67	39.95 -0.73 0.00	48.74 -0.44 0.00	38.30 -0.74 0.00	31.76 -0.45 0.00	31.73 -0.45 0.00	30.85 -0.41 0.00	28.92 -0.03 0.00	26.26 -0.13 0.00
CHAT_HIGH_FALL_HYD 323578	19.88 0.12 0.00	20.17 0.12 0.00	20.18 0.10 0.00	19.39 0.10 0.00	19.38 0.12 0.00	20.44 0.10 0.00	23.03 0.16 0.00	24.93 0.42 0.00	27.05 0.45 0.00	28.12 0.36 0.00	29.21 0.09 0.00	32.17 0.03 0.00	32.32 -0.10 0.00	32.18 -0.16 0.00	37.63 -0.50 0.00	34.58 -0.97 0.61	39.79 -0.90 0.00	48.64 -0.54 0.00	38.26 -0.78 0.00	31.76 -0.45 0.00	31.70 -0.48 0.00	30.85 -0.41 0.00	28.92 -0.03 0.00	26.23 -0.16 0.00
CHAUTAUQUA___LFGE 323629	22.01 1.30 -0.94	21.68 1.22 -0.41	21.60 1.27 -0.25	20.37 0.91 -0.17	20.35 0.85 -0.24	21.83 1.34 -0.15	24.02 1.10 -0.05	25.79 0.76 -0.52	27.79 0.93 -0.26	28.98 0.94 -0.27	30.55 1.43 0.00	34.23 2.09 0.00	35.35 2.50 -0.43	35.86 2.59 -0.93	41.21 2.98 -0.11	41.56 3.40 -1.99	46.08 3.91 -1.49	54.77 3.98 -1.60	45.00 3.71 -2.25	36.74 2.61 -1.92	35.22 2.32 -0.73	33.35 2.09 0.00	30.31 1.36 0.00	27.60 1.21 0.00
CHERRYST_13_KV_LD 356241	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.32 1.06 -0.97	21.63 1.04 -1.33	22.30 1.14 -0.83	24.64 1.49 -0.29	28.89 1.47 -2.91	29.77 1.70 -1.46	31.42 2.14 -1.52	31.63 2.50 0.00	34.96 2.80 -0.02	37.81 2.98 -2.41	40.41 2.88 -5.19	42.34 3.58 -0.63	48.98 3.73 -9.08	54.84 4.07 -10.09	62.71 4.62 -8.90	55.04 3.51 -12.48	45.34 2.48 -10.66	38.81 2.61 -4.03	33.66 2.41 0.00	31.10 2.14 -0.01	28.39 2.01 0.00
CHESTROR_138KV_BK263 355645	25.41 0.77 -4.87	22.98 0.80 -2.14	22.12 0.74 -1.30	20.96 0.77 -0.90	21.27 0.77 -1.23	21.91 0.81 -0.76	24.21 1.07 -0.27	28.18 0.98 -2.69	29.05 1.09 -1.36	30.55 1.39 -1.40	30.78 1.66 0.00	34.04 1.90 0.00	36.69 2.04 -2.23	39.15 2.01 -4.80	41.18 2.48 -0.58	47.34 2.53 -8.64	52.99 2.89 -9.43	60.43 3.00 -8.25	53.04 2.42 -11.58	43.71 1.61 -9.89	37.62 1.71 -3.74	32.82 1.56 0.00	30.31 1.36 0.00	27.68 1.29 0.00
CH_MIDHUDSON___DRP 24192	26.18 0.99 -5.43	23.45 1.02 -2.38	22.49 0.96 -1.45	21.26 0.96 -1.00	21.60 0.96 -1.37	22.23 1.04 -0.85	24.49 1.33 -0.30	28.78 1.27 -2.99	29.52 1.41 -1.51	31.07 1.75 -1.56	31.13 2.01 0.00	34.39 2.25 0.00	37.33 2.43 -2.48	40.08 2.39 -5.34	41.67 2.90 -0.64	48.20 2.93 -9.09	54.31 3.38 -10.25	61.80 3.49 -9.12	54.71 2.85 -12.81	45.08 1.93 -10.94	38.37 2.06 -4.14	33.16 1.91 0.00	30.60 1.65 0.00	27.92 1.53 0.00
CH_MISC_IPPS 23765	26.14 1.05 -5.33	23.47 1.08 -2.34	22.51 1.00 -1.42	21.30 1.02 -0.98	21.63 1.02 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.80 1.35 -2.94	29.60 1.52 -1.48	31.16 1.86 -1.54	31.57 2.45 0.00	34.97 2.83 0.00	37.61 2.75 -2.44	40.31 2.72 -5.25	42.08 3.32 -0.63	48.39 3.22 -9.00	54.39 3.62 -10.09	61.96 3.88 -8.89	54.81 3.28 -12.49	45.09 2.22 -10.66	38.49 2.28 -4.03	33.48 2.22 0.00	30.74 1.80 0.00	28.08 1.69 0.00
CH_RES_BVR_FALLS 23983	19.43 -0.34 0.00	19.73 -0.32 0.00	19.76 -0.32 0.00	19.00 -0.29 0.00	19.00 -0.27 0.00	20.03 -0.30 0.00	22.52 -0.34 0.00	24.24 -0.27 0.00	26.31 -0.29 0.00	27.43 -0.33 0.00	28.57 -0.55 0.00	31.47 -0.68 0.00	31.68 -0.74 0.00	31.50 -0.84 0.00	37.06 -1.07 0.00	32.45 -1.16 2.57	39.38 -1.30 0.00	47.90 -1.28 0.00	37.79 -1.25 0.00	31.31 -0.90 0.00	31.31 -0.87 0.00	30.41 -0.84 0.00	28.37 -0.58 0.00	25.89 -0.50 0.00



CH_RES_NIAGARA 23895	20.82 0.24 -0.81	20.52 0.12 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.63 0.16 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.87 -0.96 -0.23	27.13 -0.86 -0.23	28.42 -0.70 0.00	31.88 -0.26 0.00	33.18 0.39 -0.37	33.63 0.49 -0.80	38.72 0.49 -0.10	39.18 1.08 -1.93	43.28 1.30 -1.29	51.50 0.93 -1.39	42.21 1.21 -1.95	34.62 0.74 -1.67	33.32 0.51 -0.63	31.66 0.41 0.00	28.89 -0.06 0.00	26.41 0.03 0.00
CH_RES_SYRACUSE 23985	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.42 0.04 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.74 0.00 -0.14	29.09 0.03 -1.31	30.79 0.21 -1.46	34.55 0.48 -1.92	35.29 0.68 -2.19	35.74 0.68 -2.72	42.32 0.76 -3.43	42.19 0.94 -5.08	46.12 1.02 -4.43	55.56 1.03 -5.35	44.56 1.01 -4.50	36.03 0.68 -3.14	34.94 0.58 -2.18	33.41 0.56 -1.59	30.49 0.29 -1.26	27.53 0.19 -0.96
CLINTON_WT_PWR 323605	19.90 0.14 0.00	20.19 0.14 0.00	20.20 0.12 0.00	19.41 0.12 0.00	19.40 0.14 0.00	20.46 0.12 0.00	23.03 0.16 0.00	24.93 0.42 0.00	27.08 0.48 0.00	28.18 0.42 0.00	29.27 0.15 0.00	32.24 0.10 0.00	32.39 -0.03 0.00	32.28 -0.06 0.00	37.75 -0.38 0.00	34.64 -0.87 0.67	39.95 -0.73 0.00	48.74 -0.44 0.00	38.30 -0.74 0.00	31.76 -0.45 0.00	31.73 -0.45 0.00	30.85 -0.41 0.00	28.92 -0.03 0.00	26.26 -0.13 0.00
CLINTON___LFGE 323618	20.10 0.34 0.00	20.39 0.34 0.00	20.40 0.32 0.00	19.58 0.29 0.00	19.60 0.33 0.00	20.66 0.32 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.37 0.77 0.00	28.45 0.69 0.00	29.59 0.46 0.00	32.65 0.51 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.24 0.11 0.00	35.01 -0.51 0.65	40.40 -0.28 0.00	49.33 0.15 0.00	38.81 -0.23 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.26 0.00 0.00	29.27 0.32 0.00	26.55 0.16 0.00
COBBLENY_34_KV_TB1 80064	21.77 1.07 -0.93	21.40 0.94 -0.41	21.30 0.96 -0.25	20.06 0.60 -0.17	20.02 0.52 -0.23	21.44 0.96 -0.15	23.56 0.64 -0.05	25.25 0.22 -0.52	27.23 0.37 -0.26	28.36 0.33 -0.27	30.00 0.87 0.00	33.56 1.41 0.00	35.12 2.27 -0.43	35.55 2.30 -0.92	41.02 2.78 -0.11	41.19 3.04 -1.98	45.82 3.66 -1.47	54.36 3.59 -1.59	44.78 3.51 -2.23	36.53 2.42 -1.90	34.95 2.06 -0.71	32.85 1.59 0.00	30.02 1.07 0.00	27.44 1.06 0.00
COFFEEN___115KV_TB3 355620	20.69 0.93 0.00	20.99 0.94 0.00	20.99 0.90 0.00	20.10 0.81 0.00	19.92 0.66 0.00	21.27 0.94 0.00	23.99 1.12 0.00	25.52 1.01 0.00	27.45 0.85 0.00	29.69 0.94 -0.99	31.18 0.82 -1.24	35.06 1.29 -1.63	35.37 1.33 -1.62	35.40 1.23 -1.83	42.51 1.60 -2.78	41.15 1.09 -3.89	44.86 1.10 -3.08	54.76 1.77 -3.81	43.30 1.22 -2.77	35.21 1.48 -1.78	34.84 1.16 -1.50	34.50 1.91 -1.34	31.65 1.65 -1.05	28.49 1.29 -0.80
COLDSPRG_115KV_BK1 355956	22.36 1.58 -1.02	21.98 1.48 -0.45	21.86 1.51 -0.27	20.62 1.14 -0.19	20.58 1.06 -0.26	22.06 1.57 -0.16	24.39 1.46 -0.06	26.27 1.20 -0.56	28.35 1.46 -0.28	29.36 1.30 -0.29	31.05 1.92 0.00	34.46 2.31 0.00	36.13 3.24 -0.46	36.55 3.20 -1.00	41.87 3.62 -0.12	41.99 3.80 -2.03	46.87 4.60 -1.59	55.51 4.62 -1.71	45.89 4.45 -2.40	37.45 3.19 -2.05	36.10 3.15 -0.77	33.85 2.59 0.00	30.80 1.85 0.00	28.05 1.66 0.00
COLONIE_LFGE___ 323577	34.96 1.09 -14.11	27.31 1.08 -6.18	24.93 1.08 -3.76	22.95 1.06 -2.60	23.88 1.06 -3.55	23.65 1.10 -2.21	24.88 1.23 -0.79	33.57 1.27 -7.79	31.88 1.44 -3.84	33.27 1.53 -3.98	30.70 1.57 0.00	33.84 1.70 0.00	40.62 1.75 -6.45	47.98 1.75 -13.89	41.90 2.10 -1.67	47.89 1.99 -9.73	65.07 2.24 -22.15	75.45 2.65 -23.61	74.35 2.15 -33.17	62.23 1.71 -28.31	44.62 1.74 -10.70	32.97 1.72 0.00	30.42 1.48 0.00	27.78 1.40 0.00
COOPERNY_115KV_TB1 80082	24.16 0.65 -3.75	22.37 0.68 -1.64	21.72 0.64 -1.00	20.64 0.66 -0.69	20.87 0.66 -0.94	21.62 0.69 -0.59	23.97 0.89 -0.21	27.41 0.83 -2.07	28.55 0.90 -1.04	30.00 1.17 -1.08	30.52 1.40 0.00	33.75 1.61 0.00	35.88 1.75 -1.71	37.71 1.68 -3.69	40.67 2.10 -0.44	41.92 2.10 -3.65	49.43 2.20 -6.55	58.26 2.31 -6.77	50.42 1.87 -9.51	41.58 1.26 -8.12	36.60 1.35 -3.07	32.51 1.25 0.00	30.02 1.07 0.00	27.39 1.00 0.00
COPENHAGEN_WT_PWR 323753	20.44 0.67 0.00	20.71 0.66 0.00	20.74 0.66 0.00	19.87 0.58 0.00	19.73 0.46 0.00	21.03 0.69 0.00	23.69 0.82 0.00	25.22 0.71 0.00	27.18 0.58 0.00	29.46 0.67 -1.03	30.88 0.46 -1.30	34.78 0.93 -1.71	35.05 0.94 -1.69	35.13 0.87 -1.92	42.18 1.14 -2.91	40.97 0.76 -4.04	44.64 0.73 -3.22	54.40 1.23 -3.98	43.02 1.05 -2.93	34.92 0.84 -1.88	34.54 0.77 -1.59	34.11 1.44 -1.41	31.28 1.22 -1.11	28.16 0.92 -0.85
CORNELL_____ 23752	21.70 0.71 -1.23	21.29 0.70 -0.54	21.13 0.72 -0.33	20.11 0.60 -0.23	20.14 0.56 -0.31	21.28 0.75 -0.19	23.73 0.80 -0.07	25.92 0.74 -0.68	27.71 0.77 -0.34	29.52 0.78 -0.99	30.91 0.99 -0.79	34.57 1.38 -1.05	35.59 1.59 -1.58	36.29 1.58 -2.36	41.96 1.94 -1.89	42.00 1.99 -3.84	46.96 2.28 -4.00	56.41 2.61 -4.63	46.34 2.46 -4.84	37.76 1.80 -3.75	35.84 1.71 -1.96	33.69 1.56 -0.87	30.85 1.22 -0.69	27.92 1.00 -0.53
CORONA_AAV_69_KV_TB1 355595	26.20 1.17 -5.27	23.54 1.18 -2.31	22.41 0.92 -1.40	21.25 0.98 -0.97	21.71 1.12 -1.33	22.44 1.28 -0.83	24.90 1.74 -0.29	28.84 1.42 -2.91	29.74 1.68 -1.47	31.42 2.14 -1.52	31.79 2.65 -0.02	36.12 3.05 -0.92	38.22 3.37 -2.43	40.73 3.20 -5.19	42.26 3.51 -0.63	48.82 3.58 -9.07	54.84 4.07 -10.10	62.31 4.23 -8.90	54.92 3.40 -12.49	45.09 2.22 -10.66	39.29 3.06 -4.05	38.26 2.78 -4.22	31.46 2.49 -0.02	28.76 2.35 -0.02
CORTLAND_115KV_TB3 80093	21.20 0.47 -0.96	20.95 0.48 -0.42	20.82 0.48 -0.26	19.85 0.39 -0.18	19.88 0.37 -0.24	21.00 0.51 -0.15	23.44 0.53 -0.05	25.51 0.47 -0.53	27.37 0.51 -0.27	29.22 0.53 -0.94	30.68 0.73 -0.83	34.26 1.03 -1.09	35.23 1.30 -1.52	35.80 1.29 -2.17	41.66 1.56 -1.97	41.58 1.59 -3.82	46.07 1.79 -3.60	55.36 1.97 -4.21	45.08 1.83 -4.20	36.72 1.32 -3.19	35.17 1.22 -1.77	33.29 1.13 -0.90	30.50 0.84 -0.71	27.64 0.71 -0.54
COXSACKIE___GT 23611	29.94 1.50 -8.67	25.39 1.54 -3.80	23.98 1.59 -2.31	22.37 1.49 -1.60	22.95 1.50 -2.18	23.26 1.57 -1.36	25.13 1.78 -0.48	31.18 1.89 -4.78	31.00 2.00 -2.40	32.25 2.00 -2.49	31.25 2.12 0.00	34.52 2.38 0.00	38.20 1.81 -3.96	43.01 2.13 -8.53	41.60 2.44 -1.03	46.24 2.49 -7.57	57.01 2.44 -13.89	66.58 3.00 -14.40	62.04 2.77 -20.22	51.56 2.09 -17.26	40.79 2.09 -6.53	33.38 2.13 0.00	31.12 2.17 0.00	28.29 1.90 0.00
CPV_VALLEY___CC1 323721	24.92 0.61 -4.55	22.68 0.64 -1.99	21.90 0.60 -1.21	20.76 0.64 -0.84	21.05 0.63 -1.14	21.72 0.67 -0.71	24.01 0.89 -0.25	27.81 0.78 -2.51	28.74 0.88 -1.26	30.24 1.17 -1.31	30.75 1.63 0.00	34.01 1.86 0.00	36.34 1.85 -2.08	38.60 1.78 -4.48	40.92 2.25 -0.54	42.77 2.21 -4.39	50.60 2.48 -7.44	59.44 2.60 -7.66	51.98 2.18 -10.76	42.84 1.45 -9.18	37.16 1.51 -3.47	32.73 1.47 0.00	30.07 1.13 0.00	27.50 1.11 0.00



CPV_VALLEY___CC2 323722	24.92 0.61 -4.55	22.68 0.64 -1.99	21.90 0.60 -1.21	20.76 0.64 -0.84	21.05 0.63 -1.14	21.72 0.67 -0.71	24.01 0.89 -0.25	27.81 0.78 -2.51	28.74 0.88 -1.26	30.24 1.17 -1.31	30.75 1.63 0.00	34.01 1.86 0.00	36.34 1.85 -2.08	38.60 1.78 -4.48	40.92 2.25 -0.54	42.77 2.21 -4.39	50.60 2.48 -7.44	59.44 2.60 -7.66	51.98 2.18 -10.76	42.84 1.45 -9.18	37.16 1.51 -3.47	32.73 1.47 0.00	30.07 1.13 0.00	27.50 1.11 0.00
CRESCENT___HYD 24018	34.96 1.09 -14.11	27.31 1.08 -6.18	24.93 1.08 -3.76	22.95 1.06 -2.60	23.88 1.06 -3.55	23.65 1.10 -2.21	24.88 1.23 -0.79	33.57 1.27 -7.79	31.88 1.44 -3.84	33.27 1.53 -3.98	30.70 1.57 0.00	33.84 1.70 0.00	40.62 1.75 -6.45	47.98 1.75 -13.89	41.90 2.10 -1.67	47.89 1.99 -9.73	65.07 2.24 -22.15	75.45 2.65 -23.61	74.35 2.15 -33.17	62.23 1.71 -28.31	44.62 1.74 -10.70	32.97 1.72 0.00	30.42 1.48 0.00	27.78 1.40 0.00
CRICKET___VALLEY_CC1 323756	26.38 0.91 -5.71	23.49 0.94 -2.50	22.49 0.88 -1.52	21.25 0.91 -1.05	21.61 0.91 -1.44	22.19 0.96 -0.89	24.39 1.21 -0.32	28.81 1.15 -3.15	29.47 1.28 -1.59	30.96 1.55 -1.65	30.93 1.81 0.00	34.04 1.90 0.00	36.94 1.91 -2.61	39.84 1.88 -5.62	41.21 2.40 -0.68	47.65 2.28 -9.20	54.01 2.61 -10.72	61.50 2.75 -9.57	54.74 2.26 -13.44	45.29 1.61 -11.47	38.25 1.74 -4.34	32.91 1.66 0.00	30.28 1.33 0.00	27.71 1.32 0.00
CRICKET___VALLEY_CC2 323757	26.38 0.91 -5.71	23.49 0.94 -2.50	22.49 0.88 -1.52	21.25 0.91 -1.05	21.61 0.91 -1.44	22.19 0.96 -0.89	24.39 1.21 -0.32	28.81 1.15 -3.15	29.47 1.28 -1.59	30.96 1.55 -1.65	30.93 1.81 0.00	34.04 1.90 0.00	36.94 1.91 -2.61	39.84 1.88 -5.62	41.21 2.40 -0.68	47.65 2.28 -9.20	54.01 2.61 -10.72	61.50 2.75 -9.57	54.74 2.26 -13.44	45.29 1.61 -11.47	38.25 1.74 -4.34	32.91 1.66 0.00	30.28 1.33 0.00	27.71 1.32 0.00
CRICKET___VALLEY_CC3 323758	26.38 0.91 -5.71	23.49 0.94 -2.50	22.49 0.88 -1.52	21.25 0.91 -1.05	21.61 0.91 -1.44	22.19 0.96 -0.89	24.39 1.21 -0.32	28.81 1.15 -3.15	29.47 1.28 -1.59	30.96 1.55 -1.65	30.93 1.81 0.00	34.04 1.90 0.00	36.94 1.91 -2.61	39.84 1.88 -5.62	41.21 2.40 -0.68	47.65 2.28 -9.20	54.01 2.61 -10.72	61.50 2.75 -9.57	54.74 2.26 -13.44	45.29 1.61 -11.47	38.25 1.74 -4.34	32.91 1.66 0.00	30.28 1.33 0.00	27.71 1.32 0.00
CRUCIBLE_METL_DRP 24180	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.44 0.06 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.77 0.03 -0.14	29.10 0.03 -1.31	30.76 0.17 -1.46	34.49 0.42 -1.93	35.32 0.71 -2.19	35.73 0.68 -2.70	42.40 0.84 -3.43	42.19 0.94 -5.08	46.17 1.06 -4.43	55.61 1.08 -5.35	44.60 1.05 -4.50	36.06 0.71 -3.14	34.97 0.61 -2.18	33.35 0.50 -1.59	30.49 0.29 -1.25	27.56 0.21 -0.96
DAHOWA___HYDRO 323763	36.92 1.48 -15.67	28.32 1.40 -6.87	25.70 1.45 -4.17	23.53 1.35 -2.89	24.54 1.33 -3.94	24.24 1.44 -2.45	25.27 1.53 -0.87	34.80 1.64 -8.65	32.80 1.89 -4.31	34.20 1.97 -4.47	31.37 2.24 0.00	34.71 2.57 0.00	42.33 2.75 -7.16	50.55 2.78 -15.42	43.04 3.05 -1.86	49.61 2.97 -10.48	68.62 3.42 -24.52	79.58 4.18 -26.22	79.23 3.36 -36.83	66.42 2.77 -31.44	46.83 2.77 -11.89	33.88 2.63 0.00	31.18 2.23 0.00	28.42 2.03 0.00
DANC___LFGE 323619	20.14 0.37 0.00	20.41 0.36 0.00	20.42 0.34 0.00	19.56 0.27 0.00	19.46 0.19 0.00	20.70 0.37 0.00	23.28 0.41 0.00	24.83 0.32 0.00	26.81 0.21 0.00	29.32 0.28 -1.29	30.95 0.21 -1.62	34.79 0.51 -2.13	35.12 0.58 -2.11	35.32 0.58 -2.39	42.48 0.72 -3.63	41.57 0.54 -4.86	45.19 0.49 -4.02	54.94 0.78 -4.97	43.40 0.70 -3.66	35.06 0.51 -2.34	34.61 0.45 -1.98	33.93 0.91 -1.76	31.03 0.69 -1.39	27.92 0.48 -1.06
DANSKAMMER___1 23586	26.14 1.05 -5.33	23.47 1.08 -2.34	22.51 1.00 -1.42	21.30 1.02 -0.98	21.63 1.02 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.80 1.35 -2.94	29.60 1.52 -1.48	31.16 1.86 -1.54	31.57 2.45 0.00	34.97 2.83 0.00	37.61 2.75 -2.44	40.31 2.72 -5.25	42.08 3.32 -0.63	48.39 3.22 -9.00	54.39 3.62 -10.09	61.96 3.88 -8.89	54.81 3.28 -12.49	45.09 2.22 -10.66	38.49 2.28 -4.03	33.48 2.22 0.00	30.74 1.80 0.00	28.08 1.69 0.00
DANSKAMMER___2 23589	26.14 1.05 -5.33	23.47 1.08 -2.34	22.51 1.00 -1.42	21.30 1.02 -0.98	21.63 1.02 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.80 1.35 -2.94	29.60 1.52 -1.48	31.16 1.86 -1.54	31.57 2.45 0.00	34.97 2.83 0.00	37.61 2.75 -2.44	40.31 2.72 -5.25	42.08 3.32 -0.63	48.39 3.22 -9.00	54.39 3.62 -10.09	61.96 3.88 -8.89	54.81 3.28 -12.49	45.09 2.22 -10.66	38.49 2.28 -4.03	33.48 2.22 0.00	30.74 1.80 0.00	28.08 1.69 0.00
DANSKAMMER___3 23590	26.14 1.05 -5.33	23.47 1.08 -2.34	22.51 1.00 -1.42	21.30 1.02 -0.98	21.63 1.02 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.80 1.35 -2.94	29.60 1.52 -1.48	31.16 1.86 -1.54	31.57 2.45 0.00	34.97 2.83 0.00	37.61 2.75 -2.44	40.31 2.72 -5.25	42.08 3.32 -0.63	48.39 3.22 -9.00	54.39 3.62 -10.09	61.96 3.88 -8.89	54.81 3.28 -12.49	45.09 2.22 -10.66	38.49 2.28 -4.03	33.48 2.22 0.00	30.74 1.80 0.00	28.08 1.69 0.00
DANSKAMMER___4 23591	26.14 1.05 -5.33	23.47 1.08 -2.34	22.51 1.00 -1.42	21.30 1.02 -0.98	21.63 1.02 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.80 1.35 -2.94	29.60 1.52 -1.48	31.16 1.86 -1.54	31.57 2.45 0.00	34.97 2.83 0.00	37.61 2.75 -2.44	40.31 2.72 -5.25	42.08 3.32 -0.63	48.39 3.22 -9.00	54.39 3.62 -10.09	61.96 3.88 -8.89	54.81 3.28 -12.49	45.09 2.22 -10.66	38.49 2.28 -4.03	33.48 2.22 0.00	30.74 1.80 0.00	28.08 1.69 0.00
DANSKAMMER___DIESEL 23592	26.14 1.05 -5.33	23.47 1.08 -2.34	22.51 1.00 -1.42	21.30 1.02 -0.98	21.63 1.02 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.80 1.35 -2.94	29.57 1.49 -1.48	31.16 1.86 -1.54	31.34 2.21 0.00	34.68 2.54 0.00	37.52 2.66 -2.44	40.24 2.65 -5.25	41.92 3.16 -0.63	48.39 3.22 -9.00	54.51 3.74 -10.09	61.98 3.84 -8.96	54.79 3.16 -12.59	45.08 2.13 -10.75	38.46 2.22 -4.06	33.32 2.06 0.00	30.71 1.77 0.00	28.02 1.64 0.00
DARBY___SOLAR 323810	36.65 1.40 -15.49	28.16 1.32 -6.79	25.57 1.37 -4.13	23.42 1.27 -2.86	24.43 1.27 -3.89	24.13 1.36 -2.43	25.19 1.46 -0.86	34.63 1.57 -8.54	32.66 1.81 -4.25	34.06 1.89 -4.41	31.25 2.12 0.00	34.55 2.41 0.00	42.09 2.59 -7.07	50.17 2.59 -15.24	42.86 2.90 -1.84	49.38 2.82 -10.39	68.18 3.26 -24.24	79.03 3.94 -25.91	78.59 3.16 -36.39	65.85 2.58 -31.07	46.46 2.54 -11.74	33.70 2.44 0.00	31.03 2.09 0.00	28.29 1.90 0.00
DASHVILLE___HYD 23610	26.53 0.53 -6.23	23.34 0.56 -2.73	22.20 0.46 -1.66	20.96 0.52 -1.15	21.34 0.50 -1.57	21.86 0.55 -0.98	24.08 0.87 -0.35	28.71 0.76 -3.44	29.18 0.85 -1.73	30.80 1.25 -1.79	30.96 1.83 0.00	34.39 2.25 0.00	37.44 2.17 -2.85	40.45 1.97 -6.13	41.31 2.44 -0.74	47.92 3.18 -8.57	54.43 3.01 -10.74	61.69 2.31 -10.20	55.32 1.95 -14.32	45.56 1.13 -12.23	38.05 1.25 -4.62	32.69 1.44 0.00	30.16 1.22 0.00	27.55 1.16 0.00



DEERFIELD_69_KV_DEERFIELD LD 355887	26.75 1.72 -5.27	24.32 1.96 -2.31	22.85 1.37 -1.40	21.69 1.43 -0.97	22.48 1.89 -1.33	23.44 2.28 -0.83	26.22 3.06 -0.29	29.43 2.01 -2.91	30.51 2.45 -1.47	32.19 2.91 -1.52	33.93 4.78 -0.03	39.10 5.05 -1.92	43.28 5.38 -5.47	55.06 5.37 -17.35	50.98 5.83 -7.02	53.39 5.46 -11.76	76.47 6.43 -29.36	104.07 7.08 -47.81	60.72 5.82 -15.86	52.76 4.06 -16.49	47.97 5.37 -10.42	45.40 5.06 -9.08	33.66 4.69 -0.02	30.63 4.22 -0.02
DELAWARE___LFGE 323621	24.70 0.61 -4.33	22.56 0.62 -1.90	21.86 0.62 -1.15	20.71 0.62 -0.80	20.95 0.60 -1.09	21.67 0.65 -0.68	23.86 0.75 -0.24	27.61 0.71 -2.39	28.58 0.77 -1.21	30.08 0.89 -1.44	30.41 1.05 -0.24	33.74 1.29 -0.31	36.15 1.46 -2.27	38.36 1.42 -4.60	40.87 1.72 -1.02	42.07 1.66 -4.23	49.46 1.95 -6.83	58.86 2.21 -7.47	50.82 1.91 -9.86	41.90 1.42 -8.27	36.99 1.48 -3.33	33.06 1.47 -0.33	30.42 1.22 -0.26	27.70 1.11 -0.20
DERFIELD_115KV_TB7 355931	19.84 0.08 0.00	20.11 0.06 0.00	20.14 0.06 0.00	19.37 0.08 0.00	19.33 0.06 0.00	20.42 0.08 0.00	22.96 0.09 0.00	24.56 0.05 0.00	26.65 0.05 0.00	27.84 0.08 0.00	29.24 0.12 0.00	32.34 0.19 0.00	32.68 0.26 0.00	32.54 0.19 0.00	38.39 0.27 0.00	38.12 0.22 -1.73	40.93 0.24 0.00	49.43 0.25 0.00	39.28 0.23 0.00	32.37 0.16 0.00	32.34 0.16 0.00	31.44 0.19 0.00	29.06 0.12 0.00	26.49 0.11 0.00
DOGLEVILLE___HYD 23807	19.45 -0.32 0.00	19.77 -0.28 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.00 -0.27 0.00	20.09 -0.24 0.00	22.64 -0.23 0.00	24.19 -0.32 0.00	26.28 -0.32 0.00	27.43 -0.33 0.00	28.80 -0.32 0.00	32.11 -0.03 0.00	32.39 -0.03 0.00	31.96 -0.39 0.00	37.71 -0.42 0.00	37.36 -0.54 -1.73	40.07 -0.61 0.00	48.39 -0.79 0.00	38.53 -0.51 0.00	31.76 -0.45 0.00	31.73 -0.45 0.00	30.94 -0.31 0.00	28.60 -0.35 0.00	26.10 -0.29 0.00
DUNKIRK___115KV_TB_200 55889	21.95 1.25 -0.94	21.62 1.16 -0.41	21.54 1.20 -0.25	20.33 0.87 -0.17	20.29 0.79 -0.24	21.75 1.26 -0.15	23.95 1.03 -0.05	25.69 0.66 -0.52	27.71 0.85 -0.26	28.89 0.86 -0.27	30.55 1.43 0.00	33.97 1.83 0.00	35.38 2.53 -0.43	35.85 2.59 -0.92	41.36 3.13 -0.11	41.48 3.33 -1.99	46.11 3.95 -1.49	54.71 3.93 -1.60	45.11 3.83 -2.25	36.80 2.67 -1.92	35.21 2.32 -0.72	33.10 1.84 0.00	30.28 1.33 0.00	27.65 1.27 0.00
DUNKIRK___1 23563	21.95 1.25 -0.94	21.62 1.16 -0.41	21.54 1.20 -0.25	20.33 0.87 -0.17	20.29 0.79 -0.24	21.75 1.26 -0.15	23.95 1.03 -0.05	25.69 0.66 -0.52	27.71 0.85 -0.26	28.89 0.86 -0.27	30.55 1.43 0.00	33.97 1.83 0.00	35.38 2.53 -0.43	35.85 2.59 -0.92	41.36 3.13 -0.11	41.48 3.33 -1.99	46.11 3.95 -1.49	54.71 3.93 -1.60	45.11 3.83 -2.25	36.80 2.67 -1.92	35.21 2.32 -0.72	33.10 1.84 0.00	30.28 1.33 0.00	27.65 1.27 0.00
DUNKIRK___2 23564	21.95 1.25 -0.94	21.62 1.16 -0.41	21.54 1.20 -0.25	20.33 0.87 -0.17	20.29 0.79 -0.24	21.75 1.26 -0.15	23.95 1.03 -0.05	25.69 0.66 -0.52	27.71 0.85 -0.26	28.89 0.86 -0.27	30.55 1.43 0.00	33.97 1.83 0.00	35.38 2.53 -0.43	35.85 2.59 -0.92	41.36 3.13 -0.11	41.48 3.33 -1.99	46.11 3.95 -1.49	54.71 3.93 -1.60	45.11 3.83 -2.25	36.80 2.67 -1.92	35.21 2.32 -0.72	33.10 1.84 0.00	30.28 1.33 0.00	27.65 1.27 0.00
DUNKIRK___3 23565	21.81 1.11 -0.94	21.46 1.00 -0.41	21.38 1.04 -0.25	20.18 0.71 -0.17	20.14 0.64 -0.24	21.56 1.08 -0.15	23.74 0.82 -0.05	25.47 0.44 -0.52	27.45 0.59 -0.26	28.61 0.58 -0.27	30.23 1.11 0.00	33.65 1.51 0.00	35.05 2.20 -0.43	35.52 2.26 -0.92	40.98 2.75 -0.11	41.16 3.00 -1.98	45.81 3.66 -1.47	54.35 3.59 -1.58	44.82 3.55 -2.22	36.59 2.48 -1.90	35.01 2.12 -0.71	32.94 1.69 0.00	30.13 1.19 0.00	27.52 1.13 0.00
DUNKIRK___4 23566	21.81 1.11 -0.94	21.46 1.00 -0.41	21.38 1.04 -0.25	20.18 0.71 -0.17	20.14 0.64 -0.24	21.56 1.08 -0.15	23.74 0.82 -0.05	25.47 0.44 -0.52	27.45 0.59 -0.26	28.61 0.58 -0.27	30.23 1.11 0.00	33.65 1.51 0.00	35.05 2.20 -0.43	35.52 2.26 -0.92	40.98 2.75 -0.11	41.16 3.00 -1.98	45.81 3.66 -1.47	54.35 3.59 -1.58	44.82 3.55 -2.22	36.59 2.48 -1.90	35.01 2.12 -0.71	32.94 1.69 0.00	30.13 1.19 0.00	27.52 1.13 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	26.04 1.01 -5.27	23.40 1.04 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.58 0.98 -1.33	22.22 1.06 -0.83	24.53 1.37 -0.29	28.74 1.32 -2.91	29.56 1.49 -1.47	31.17 1.89 -1.52	31.37 2.24 0.00	34.65 2.51 0.00	37.55 2.72 -2.41	40.18 2.65 -5.19	42.03 3.28 -0.63	48.67 3.44 -9.06	54.56 3.78 -10.09	62.30 4.23 -8.89	54.80 3.28 -12.48	45.15 2.29 -10.66	38.65 2.45 -4.03	33.48 2.22 0.00	30.89 1.94 0.00	28.18 1.79 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	25.82 0.87 -5.18	23.22 0.90 -2.27	22.29 0.82 -1.38	21.09 0.85 -0.96	21.42 0.85 -1.30	22.07 0.92 -0.81	24.34 1.19 -0.29	28.50 1.13 -2.86	29.27 1.22 -1.44	30.81 1.55 -1.49	31.02 1.89 0.00	34.33 2.19 0.00	37.12 2.33 -2.37	39.74 2.30 -5.10	41.53 2.78 -0.62	47.86 2.86 -8.84	53.75 3.25 -9.82	61.18 3.30 -8.71	53.96 2.69 -12.23	44.45 1.80 -10.44	37.99 1.87 -3.95	33.01 1.75 0.00	30.45 1.51 0.00	27.79 1.40 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	26.22 1.19 -5.27	23.54 1.18 -2.31	22.55 1.06 -1.40	21.34 1.08 -0.97	21.62 1.02 -1.33	22.18 1.02 -0.83	24.46 1.30 -0.29	28.72 1.30 -2.91	29.56 1.49 -1.46	31.22 1.94 -1.52	31.42 2.30 0.00	34.76 2.60 -0.02	37.58 2.76 -2.41	40.12 2.59 -5.19	42.03 3.28 -0.63	48.65 3.40 -9.08	54.35 3.58 -10.09	62.36 4.28 -8.90	54.73 3.20 -12.48	45.05 2.19 -10.66	38.59 2.38 -4.03	33.70 2.44 -0.01	31.18 2.23 -0.01	28.48 2.08 -0.01
E179THST_13_KV_LOAD 356214	26.32 1.28 -5.27	23.64 1.28 -2.31	22.63 1.14 -1.40	21.42 1.16 -0.97	21.71 1.12 -1.33	22.26 1.10 -0.83	24.58 1.42 -0.29	28.84 1.42 -2.91	29.69 1.62 -1.46	31.39 2.11 -1.52	31.60 2.48 0.00	34.99 2.83 -0.02	37.81 2.98 -2.41	40.34 2.81 -5.19	42.26 3.51 -0.63	48.90 3.65 -9.08	54.64 3.86 -10.09	62.76 4.67 -8.90	55.00 3.47 -12.48	45.28 2.42 -10.66	38.81 2.61 -4.03	33.89 2.63 -0.01	31.36 2.40 -0.01	28.64 2.24 -0.01
EAST HAMPTON___GT 23717	27.03 2.00 -5.27	24.52 2.17 -2.31	23.11 1.63 -1.40	21.82 1.56 -0.97	22.75 2.16 -1.33	23.73 2.56 -0.83	26.61 3.45 -0.29	29.77 2.35 -2.91	30.94 2.87 -1.47	32.64 3.36 -1.52	34.75 5.59 -0.03	40.04 5.98 -1.92	43.86 5.97 -5.47	55.55 5.86 -17.35	51.44 6.29 -7.02	54.26 6.33 -11.76	77.45 7.41 -29.36	105.15 8.21 -47.76	61.46 6.64 -15.79	53.53 4.89 -16.43	48.62 6.05 -10.39	46.18 5.84 -9.08	34.24 5.27 -0.02	31.19 4.78 -0.02
EAST RIVER___6 23660	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.63 1.04 -1.33	22.26 1.10 -0.83	24.58 1.42 -0.29	28.84 1.42 -2.91	29.72 1.65 -1.46	31.36 2.08 -1.52	31.86 2.74 0.00	35.15 2.99 -0.02	37.78 2.95 -2.41	40.41 2.88 -5.19	42.38 3.62 -0.63	48.87 3.62 -9.08	54.84 4.07 -10.09	62.61 4.57 -8.85	55.12 3.67 -12.41	45.41 2.61 -10.59	38.95 2.77 -4.00	33.88 2.63 0.00	31.13 2.17 -0.01	28.47 2.08 0.00



EAST RIVER___7 23524	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.63 1.04 -1.33	22.26 1.10 -0.83	24.58 1.42 -0.29	28.84 1.42 -2.91	29.72 1.65 -1.46	31.36 2.08 -1.52	31.86 2.74 0.00	35.15 2.99 -0.02	37.78 2.95 -2.41	40.41 2.88 -5.19	42.38 3.62 -0.63	48.87 3.62 -9.08	54.84 4.07 -10.09	62.61 4.57 -8.85	55.12 3.67 -12.41	45.41 2.61 -10.59	38.95 2.77 -4.00	33.88 2.63 0.00	31.13 2.17 -0.01	28.47 2.08 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	25.99 0.97 -5.26	23.35 1.00 -2.30	22.41 0.92 -1.40	21.20 0.95 -0.97	21.54 0.94 -1.32	22.18 1.02 -0.82	24.48 1.33 -0.29	28.69 1.27 -2.90	29.47 1.41 -1.46	31.08 1.80 -1.52	31.25 2.13 0.00	34.52 2.38 0.00	37.45 2.63 -2.40	40.07 2.56 -5.18	41.88 3.13 -0.62	48.52 3.29 -9.05	54.38 3.62 -10.08	62.08 4.03 -8.87	54.62 3.12 -12.46	45.03 2.19 -10.63	38.51 2.32 -4.02	33.35 2.09 0.00	30.77 1.82 0.00	28.10 1.72 0.00
EAST_HAMPTON___DIESEL 23722	27.03 2.00 -5.27	24.52 2.17 -2.31	23.13 1.65 -1.40	21.84 1.58 -0.97	22.75 2.16 -1.33	23.73 2.56 -0.83	26.61 3.45 -0.29	29.80 2.38 -2.91	30.97 2.90 -1.47	32.66 3.39 -1.52	34.75 5.59 -0.03	40.04 5.98 -1.92	43.89 6.00 -5.47	55.55 5.86 -17.35	51.44 6.29 -7.02	54.30 6.37 -11.76	77.45 7.41 -29.36	105.15 8.21 -47.76	61.46 6.64 -15.79	53.53 4.89 -16.43	48.62 6.05 -10.39	46.18 5.84 -9.08	34.24 5.27 -0.02	31.21 4.80 -0.02
EAST_PULASKI___ESR 323781	19.82 0.06 0.00	20.11 0.06 0.00	20.12 0.04 0.00	19.29 0.00 0.00	19.23 -0.04 0.00	20.40 0.06 0.00	22.89 0.02 0.00	24.44 -0.07 0.00	26.47 -0.13 0.00	29.48 -0.11 -1.83	31.37 -0.06 -2.30	35.27 0.10 -3.03	35.71 0.29 -3.00	36.03 0.29 -3.40	43.67 0.38 -5.16	43.00 0.36 -6.47	46.73 0.33 -5.72	56.60 0.34 -7.08	44.70 0.47 -5.19	35.83 0.29 -3.33	35.19 0.19 -2.82	34.14 0.38 -2.50	31.12 0.20 -1.98	28.00 0.11 -1.51
EAST_RIVER___1 323558	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.78 2.65 0.00	35.11 2.96 -0.02	37.81 2.98 -2.41	40.38 2.85 -5.19	42.34 3.58 -0.63	48.80 3.55 -9.08	54.80 4.03 -10.09	62.51 4.47 -8.85	55.04 3.59 -12.41	45.34 2.54 -10.59	38.82 2.64 -4.00	33.79 2.53 0.00	31.04 2.09 -0.01	28.37 1.98 0.00
EAST_RIVER___2 323559	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.63 1.04 -1.33	22.26 1.10 -0.83	24.58 1.42 -0.29	28.84 1.42 -2.91	29.72 1.65 -1.46	31.36 2.08 -1.52	31.86 2.74 0.00	35.15 2.99 -0.02	37.78 2.95 -2.41	40.41 2.88 -5.19	42.38 3.62 -0.63	48.87 3.62 -9.08	54.84 4.07 -10.09	62.61 4.57 -8.85	55.12 3.67 -12.41	45.41 2.61 -10.59	38.95 2.77 -4.00	33.88 2.63 0.00	31.13 2.17 -0.01	28.47 2.08 0.00
EAST___DELAWARE_HYD 23607	26.77 1.15 -5.86	23.78 1.16 -2.57	22.69 1.04 -1.56	21.43 1.06 -1.08	21.80 1.06 -1.47	22.37 1.12 -0.92	24.77 1.58 -0.33	29.32 1.57 -3.23	29.93 1.70 -1.63	31.55 2.11 -1.69	32.04 2.91 0.00	35.65 3.50 0.00	38.47 3.37 -2.68	41.37 3.27 -5.77	42.82 4.00 -0.70	48.73 3.87 -8.69	52.83 3.42 -8.73	61.10 3.59 -8.34	53.91 3.16 -11.71	44.23 2.03 -10.00	38.05 2.09 -3.78	33.38 2.13 0.00	30.62 1.68 0.00	27.92 1.53 0.00
EIGHT_POINT___WT_PWR 323820	22.06 1.17 -1.13	21.66 1.12 -0.49	21.53 1.14 -0.30	20.35 0.85 -0.21	20.34 0.79 -0.28	21.71 1.20 -0.18	24.00 1.07 -0.06	25.92 0.78 -0.62	27.79 0.88 -0.31	29.22 0.89 -0.57	30.75 1.31 -0.31	34.48 1.93 -0.41	35.75 2.50 -0.83	36.26 2.46 -1.46	41.58 2.78 -0.67	41.92 3.15 -2.61	46.82 3.58 -2.55	55.79 3.74 -2.87	45.99 3.55 -3.40	37.50 2.54 -2.75	35.78 2.35 -1.25	33.81 2.22 -0.34	30.95 1.74 -0.27	28.04 1.45 -0.20
ELBRIDGE_115KV_TB2 80188	20.40 0.10 -0.54	20.36 0.08 -0.23	20.33 0.10 -0.14	19.41 0.02 -0.10	19.40 0.00 -0.13	20.52 0.10 -0.08	22.94 0.05 -0.03	24.78 -0.02 -0.30	26.70 -0.05 -0.15	29.13 -0.03 -1.40	30.80 0.12 -1.56	34.49 0.29 -2.06	35.32 0.55 -2.35	35.86 0.61 -2.91	42.54 0.72 -3.69	42.39 0.87 -5.35	46.38 0.98 -4.73	55.82 0.93 -5.71	44.82 0.98 -4.81	36.21 0.64 -3.36	35.05 0.55 -2.33	33.39 0.44 -1.70	30.54 0.26 -1.34	27.59 0.18 -1.02
ELEC_TRO_TEK 24086	26.10 1.07 -5.27	23.46 1.10 -2.31	22.33 0.84 -1.40	21.15 0.89 -0.97	21.63 1.04 -1.33	22.38 1.22 -0.83	24.83 1.67 -0.29	28.74 1.32 -2.91	29.64 1.57 -1.47	31.30 2.03 -1.52	31.68 2.53 -0.02	35.86 2.80 -0.93	38.02 3.18 -2.43	40.55 3.01 -5.20	41.96 3.20 -0.63	48.49 3.26 -9.07	54.48 3.70 -10.10	61.85 3.79 -8.88	54.53 3.01 -12.49	44.80 1.93 -10.66	39.06 2.83 -4.06	38.01 2.53 -4.22	31.31 2.34 -0.02	28.62 2.22 -0.02
ELLENBURG_WT_PWR 323604	19.90 0.14 0.00	20.19 0.14 0.00	20.20 0.12 0.00	19.41 0.12 0.00	19.40 0.14 0.00	20.46 0.12 0.00	23.03 0.16 0.00	24.93 0.42 0.00	27.08 0.48 0.00	28.18 0.42 0.00	29.27 0.15 0.00	32.24 0.10 0.00	32.39 -0.03 0.00	32.28 -0.06 0.00	37.75 -0.38 0.00	34.64 -0.87 0.67	39.95 -0.73 0.00	48.74 -0.44 0.00	38.30 -0.74 0.00	31.76 -0.45 0.00	31.73 -0.45 0.00	30.85 -0.41 0.00	28.92 -0.03 0.00	26.26 -0.13 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	21.44 0.81 -0.87	21.11 0.68 -0.38	21.04 0.72 -0.23	19.82 0.37 -0.16	19.80 0.31 -0.22	21.19 0.71 -0.14	23.28 0.37 -0.05	24.87 -0.12 -0.48	26.82 -0.03 -0.24	28.01 0.00 -0.25	29.59 0.47 0.00	33.01 0.87 0.00	34.57 1.75 -0.40	35.02 1.81 -0.87	40.44 2.21 -0.10	40.59 2.46 -1.96	45.11 3.05 -1.38	53.57 2.90 -1.49	44.06 2.93 -2.09	36.02 2.03 -1.78	34.55 1.71 -0.67	32.54 1.28 0.00	29.79 0.84 0.00	27.26 0.87 0.00
EMPIRE_CC_1 323656	28.46 0.87 -7.83	24.36 0.88 -3.43	23.05 0.88 -2.08	21.62 0.89 -1.44	22.12 0.89 -1.97	22.46 0.89 -1.23	24.35 1.05 -0.44	29.86 1.03 -4.32	29.89 1.12 -2.17	31.23 1.22 -2.25	30.17 1.05 0.00	33.20 1.06 0.00	37.06 1.07 -3.57	41.05 1.00 -7.70	40.35 1.30 -0.93	44.08 1.16 -6.75	54.56 1.30 -12.57	63.74 1.47 -13.08	58.63 1.21 -18.37	48.80 0.90 -15.69	39.11 1.00 -5.93	32.32 1.06 0.00	29.93 0.98 0.00	27.36 0.98 0.00
EMPIRE_CC_2 323658	28.46 0.87 -7.83	24.36 0.88 -3.43	23.05 0.88 -2.08	21.62 0.89 -1.44	22.12 0.89 -1.97	22.46 0.89 -1.23	24.35 1.05 -0.44	29.86 1.03 -4.32	29.89 1.12 -2.17	31.23 1.22 -2.25	30.17 1.05 0.00	33.20 1.06 0.00	37.06 1.07 -3.57	41.05 1.00 -7.70	40.35 1.30 -0.93	44.08 1.16 -6.75	54.56 1.30 -12.57	63.74 1.47 -13.08	58.63 1.21 -18.37	48.80 0.90 -15.69	39.11 1.00 -5.93	32.32 1.06 0.00	29.93 0.98 0.00	27.36 0.98 0.00
ENORWICH_115KV_TB1 80156	23.35 1.76 -1.83	22.61 1.76 -0.80	22.36 1.79 -0.49	21.25 1.62 -0.34	21.21 1.48 -0.46	22.50 1.87 -0.29	25.14 2.17 -0.10	27.70 2.18 -1.01	29.24 2.13 -0.51	31.04 2.25 -1.03	32.17 2.42 -0.63	36.31 3.34 -0.83	37.63 3.57 -1.64	38.58 3.53 -2.71	44.03 4.31 -1.60	43.61 3.69 -3.75	49.38 3.78 -4.92	59.34 4.62 -5.54	49.78 4.22 -6.52	40.73 3.25 -5.27	37.77 3.19 -2.41	35.42 3.50 -0.67	32.40 2.92 -0.53	29.27 2.48 -0.40



ERIE_ST__34_KV_TB1-2 80199	21.62 0.95 -0.91	21.27 0.82 -0.40	21.17 0.84 -0.24	19.96 0.50 -0.17	19.92 0.42 -0.23	21.33 0.85 -0.14	23.46 0.55 -0.05	25.11 0.10 -0.50	27.09 0.24 -0.25	28.10 0.08 -0.26	29.71 0.58 0.00	33.17 1.03 0.00	34.82 1.98 -0.42	35.32 2.07 -0.90	40.75 2.52 -0.11	40.97 2.82 -1.98	45.62 3.50 -1.44	54.07 3.34 -1.55	44.57 3.36 -2.17	36.32 2.25 -1.86	34.77 1.90 -0.70	32.63 1.38 0.00	29.84 0.90 0.00	27.23 0.84 0.00
ERIE_WT_PWR 323693	21.57 0.91 -0.89	21.24 0.80 -0.39	21.14 0.82 -0.24	19.92 0.46 -0.16	19.90 0.41 -0.22	21.33 0.85 -0.14	23.40 0.48 -0.05	25.03 0.02 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.53 0.41 0.00	33.24 1.09 0.00	34.61 1.78 -0.41	35.10 1.88 -0.88	40.41 2.17 -0.11	40.81 2.68 -1.96	45.27 3.18 -1.42	53.81 3.10 -1.53	44.19 3.01 -2.14	36.10 2.06 -1.83	34.64 1.77 -0.69	32.82 1.56 0.00	29.90 0.95 0.00	27.26 0.87 0.00
ESPRGFLD_115KV_TB1 80157	32.82 1.56 -11.49	26.57 1.48 -5.04	24.65 1.51 -3.06	22.80 1.39 -2.12	23.53 1.37 -2.89	23.72 1.59 -1.80	25.31 1.81 -0.64	32.74 1.89 -6.34	31.86 2.05 -3.21	33.23 2.14 -3.33	31.54 2.42 0.00	35.04 2.89 0.00	40.85 3.18 -5.25	46.82 3.17 -11.31	43.23 3.74 -1.36	47.58 3.54 -7.87	62.28 3.95 -17.65	72.90 4.77 -18.94	69.67 4.02 -26.61	58.15 3.22 -22.72	43.95 3.19 -8.59	34.44 3.19 0.00	31.64 2.69 0.00	28.71 2.32 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	21.66 0.67 -1.22	21.24 0.66 -0.54	21.09 0.68 -0.33	20.07 0.56 -0.23	20.12 0.54 -0.31	21.24 0.71 -0.19	23.69 0.75 -0.07	25.87 0.69 -0.67	27.69 0.74 -0.34	29.52 0.75 -1.01	30.91 0.96 -0.82	34.54 1.32 -1.08	35.56 1.52 -1.62	36.27 1.52 -2.41	41.96 1.87 -1.97	42.00 1.92 -3.92	46.91 2.16 -4.07	56.35 2.46 -4.71	46.29 2.34 -4.90	37.73 1.74 -3.79	35.81 1.64 -2.00	33.66 1.50 -0.91	30.85 1.19 -0.72	27.91 0.98 -0.55
ETNA____115KV_TB2 80207	21.66 0.67 -1.22	21.24 0.66 -0.54	21.09 0.68 -0.33	20.07 0.56 -0.23	20.12 0.54 -0.31	21.24 0.71 -0.19	23.69 0.75 -0.07	25.87 0.69 -0.67	27.69 0.74 -0.34	29.52 0.75 -1.01	30.91 0.96 -0.82	34.54 1.32 -1.08	35.56 1.52 -1.62	36.27 1.52 -2.41	41.96 1.87 -1.97	42.00 1.92 -3.92	46.91 2.16 -4.07	56.35 2.46 -4.71	46.29 2.34 -4.90	37.73 1.74 -3.79	35.81 1.64 -2.00	33.66 1.50 -0.91	30.85 1.19 -0.72	27.91 0.98 -0.55
EUCLID__115KV_TB2 356179	19.68 -0.08 0.00	19.97 -0.08 0.00	19.98 -0.10 0.00	19.15 -0.14 0.00	19.11 -0.15 0.00	20.26 -0.08 0.00	22.71 -0.16 0.00	24.27 -0.25 0.00	26.33 -0.27 0.00	28.02 -0.28 -0.54	29.63 -0.17 -0.68	33.00 -0.03 -0.89	33.55 0.23 -0.90	33.59 0.23 -1.02	39.98 0.31 -1.55	39.58 0.40 -3.02	42.81 0.45 -1.68	51.60 0.34 -2.08	41.00 0.43 -1.53	33.41 0.23 -0.98	33.13 0.13 -0.83	32.05 0.06 -0.74	29.44 -0.09 -0.58	26.72 -0.11 -0.44
E_CANADA_CAP_HY 24051	36.00 2.15 -14.08	28.24 2.02 -6.17	25.90 2.07 -3.75	23.80 1.91 -2.60	24.70 1.89 -3.54	24.70 2.15 -2.21	25.98 2.33 -0.78	34.78 2.50 -7.77	33.25 2.71 -3.94	34.59 2.75 -4.08	32.24 3.12 0.00	35.87 3.73 0.00	42.87 4.02 -6.43	50.21 4.01 -13.86	44.41 4.61 -1.67	50.10 4.56 -9.37	67.51 5.00 -21.82	78.69 6.10 -23.41	77.03 5.11 -32.88	64.46 4.19 -28.07	46.91 4.12 -10.61	35.41 4.16 0.00	32.45 3.50 0.00	29.45 3.06 0.00
E_CANADA_MHWK_HY 24050	19.45 -0.32 0.00	19.77 -0.28 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.00 -0.27 0.00	20.09 -0.24 0.00	22.64 -0.23 0.00	24.19 -0.32 0.00	26.28 -0.32 0.00	27.43 -0.33 0.00	28.80 -0.32 0.00	32.11 -0.03 0.00	32.39 -0.03 0.00	31.96 -0.39 0.00	37.71 -0.42 0.00	37.36 -0.54 -1.73	40.07 -0.61 0.00	48.39 -0.79 0.00	38.53 -0.51 0.00	31.76 -0.45 0.00	31.73 -0.45 0.00	30.94 -0.31 0.00	28.60 -0.35 0.00	26.10 -0.29 0.00
E_FISHKILL__LBMP 23776	26.07 0.93 -5.38	23.34 0.94 -2.36	22.40 0.88 -1.43	21.19 0.91 -0.99	21.53 0.91 -1.35	22.14 0.96 -0.84	24.40 1.23 -0.30	28.65 1.18 -2.97	29.40 1.30 -1.49	30.95 1.64 -1.55	30.99 1.86 0.00	34.20 2.06 0.00	37.15 2.27 -2.46	39.83 2.20 -5.29	41.47 2.71 -0.64	48.13 2.79 -9.17	54.04 3.09 -10.27	61.59 3.34 -9.06	54.39 2.62 -12.73	44.91 1.84 -10.87	38.25 1.96 -4.11	33.04 1.78 0.00	30.54 1.59 0.00	27.87 1.48 0.00
FALCON__SEABRD_CC1 323796	20.12 0.36 0.00	20.41 0.36 0.00	20.42 0.34 0.00	19.60 0.31 0.00	19.62 0.35 0.00	20.70 0.37 0.00	23.30 0.43 0.00	25.25 0.73 0.00	27.40 0.80 0.00	28.51 0.75 0.00	29.65 0.52 0.00	32.65 0.51 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.28 0.15 0.00	35.08 -0.43 0.66	40.44 -0.24 0.00	49.38 0.20 0.00	38.81 -0.23 0.00	32.18 -0.03 0.00	32.11 -0.06 0.00	31.26 0.00 0.00	29.27 0.32 0.00	26.57 0.19 0.00
FALCON__SEABRD_CC2 323797	20.12 0.36 0.00	20.41 0.36 0.00	20.42 0.34 0.00	19.60 0.31 0.00	19.62 0.35 0.00	20.70 0.37 0.00	23.30 0.43 0.00	25.25 0.73 0.00	27.40 0.80 0.00	28.51 0.75 0.00	29.65 0.52 0.00	32.65 0.51 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.28 0.15 0.00	35.08 -0.43 0.66	40.44 -0.24 0.00	49.38 0.20 0.00	38.81 -0.23 0.00	32.18 -0.03 0.00	32.11 -0.06 0.00	31.26 0.00 0.00	29.27 0.32 0.00	26.57 0.19 0.00
FAR ROCKAWAY__4 23548	26.32 1.28 -5.27	23.66 1.30 -2.31	22.53 1.04 -1.40	21.34 1.08 -0.97	21.83 1.23 -1.33	22.57 1.40 -0.83	25.06 1.90 -0.29	29.01 1.59 -2.91	29.93 1.86 -1.47	31.61 2.33 -1.52	32.08 2.94 -0.02	36.44 3.37 -0.92	38.32 3.47 -2.43	40.80 3.27 -5.19	42.37 3.62 -0.63	48.96 3.73 -9.07	55.09 4.31 -10.10	62.60 4.52 -8.90	55.12 3.59 -12.49	45.22 2.35 -10.66	39.42 3.19 -4.05	38.61 3.13 -4.22	31.77 2.81 -0.02	29.02 2.61 -0.02
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	26.10 1.07 -5.27	23.44 1.08 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.83 2.67 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.68 3.91 -10.09	62.51 4.43 -8.90	54.88 3.36 -12.48	45.25 2.38 -10.66	38.68 2.48 -4.03	33.57 2.31 0.00	31.04 2.08 -0.01	28.31 1.93 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	26.10 1.07 -5.27	23.44 1.08 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.26 1.10 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.83 2.67 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.63	48.83 3.58 -9.08	54.68 3.91 -10.09	62.51 4.43 -8.90	54.88 3.36 -12.48	45.25 2.38 -10.66	38.71 2.51 -4.03	33.57 2.31 0.00	31.04 2.08 -0.01	28.34 1.95 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.79 2.64 -0.02	37.65 2.82 -2.41	40.25 2.72 -5.19	42.15 3.39 -0.63	48.80 3.54 -9.08	54.64 3.86 -10.09	62.46 4.38 -8.90	54.84 3.32 -12.48	45.22 2.35 -10.66	38.68 2.48 -4.03	33.54 2.28 0.00	31.01 2.06 -0.01	28.31 1.93 0.00



FARRAGUT___LBMP 323566	26.06 1.03 -5.27	23.42 1.06 -2.31	22.45 0.96 -1.40	21.25 0.98 -0.97	21.58 0.98 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.72 3.47 -9.08	54.60 3.82 -10.09	62.41 4.33 -8.90	54.80 3.28 -12.48	45.18 2.32 -10.66	38.65 2.45 -4.03	33.51 2.25 0.00	30.98 2.03 -0.01	28.29 1.90 0.00
FENNER___WINDPWR 24204	20.88 0.51 -0.60	20.83 0.52 -0.26	20.76 0.52 -0.16	19.84 0.44 -0.11	19.82 0.41 -0.15	20.98 0.55 -0.09	23.54 0.64 -0.03	25.46 0.61 -0.33	27.43 0.67 -0.17	29.13 0.69 -0.68	30.57 0.81 -0.64	34.23 1.25 -0.84	34.82 1.30 -1.11	35.14 1.26 -1.53	41.15 1.53 -1.50	40.75 1.34 -3.24	44.69 1.46 -2.54	53.89 1.72 -2.99	43.45 1.52 -2.89	35.47 1.10 -2.16	34.46 1.03 -1.25	33.14 1.19 -0.69	30.36 0.87 -0.55	27.52 0.71 -0.42
FIBERTEK___ENERGY 23856	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.44 0.06 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.77 0.03 -0.14	29.10 0.03 -1.31	30.76 0.17 -1.46	34.49 0.42 -1.93	35.32 0.71 -2.19	35.73 0.68 -2.70	42.40 0.84 -3.43	42.19 0.94 -5.08	46.17 1.06 -4.43	55.61 1.08 -5.35	44.60 1.05 -4.50	36.06 0.71 -3.14	34.97 0.61 -2.18	33.35 0.50 -1.59	30.49 0.29 -1.25	27.56 0.21 -0.96
FITZPATRICK____ 23598	19.35 -0.42 0.00	19.63 -0.42 0.00	19.64 -0.44 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.89 -0.45 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	20.68 -0.75 6.33	20.47 -0.70 7.95	21.06 -0.61 10.47	21.61 -0.52 10.29	20.20 -0.48 11.66	19.83 -0.61 17.69	19.82 -0.47 15.88	20.39 -0.53 19.77	23.95 -0.79 24.44	20.56 -0.51 17.97	20.21 -0.48 11.52	21.88 -0.55 9.75	22.06 -0.53 8.66	21.48 -0.64 6.83	20.56 -0.61 5.22
FLOWRFLD_69_KV_BK1 356044	26.44 1.40 -5.27	23.88 1.52 -2.31	22.57 1.08 -1.40	21.42 1.16 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.51 2.36 -0.29	29.11 1.69 -2.91	30.11 2.05 -1.47	31.80 2.53 -1.52	32.86 3.70 -0.04	38.38 3.99 -2.25	42.12 4.38 -5.33	57.72 4.01 -21.36	48.99 4.12 -6.74	52.80 3.98 -12.65	80.79 4.39 -35.71	114.39 4.57 -60.64	59.73 3.71 -16.98	53.21 2.58 -18.42	46.63 4.02 -10.43	43.90 3.78 -8.86	32.44 3.47 -0.02	29.66 3.25 -0.02
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	26.20 1.09 -5.34	23.51 1.12 -2.34	22.55 1.04 -1.42	21.34 1.06 -0.99	21.65 1.04 -1.34	22.29 1.12 -0.84	24.60 1.44 -0.30	28.86 1.40 -2.95	29.63 1.54 -1.49	31.21 1.92 -1.54	31.40 2.27 0.00	34.75 2.60 0.00	37.62 2.76 -2.44	40.35 2.75 -5.26	42.04 3.28 -0.63	48.48 3.29 -9.02	54.66 3.86 -10.12	62.10 3.93 -8.99	54.94 3.28 -12.62	45.20 2.22 -10.77	38.53 2.28 -4.07	33.41 2.16 0.00	30.80 1.85 0.00	28.08 1.69 0.00
FORT ORANGE____ 23900	31.11 0.87 -10.48	25.58 0.94 -4.59	23.84 0.96 -2.79	22.15 0.93 -1.93	22.83 0.92 -2.64	22.93 0.96 -1.64	24.50 1.05 -0.58	31.35 1.05 -5.78	30.53 1.04 -2.90	31.84 1.08 -3.00	30.23 1.11 0.00	33.36 1.22 0.00	38.31 1.10 -4.79	43.78 1.13 -10.31	40.74 1.37 -1.24	45.16 1.30 -7.68	58.61 1.46 -16.46	68.36 1.67 -17.51	65.00 1.37 -24.59	54.30 1.10 -20.99	41.24 1.13 -7.94	32.35 1.09 0.00	30.02 1.07 0.00	27.39 1.00 0.00
FORT_DRUM_COGEN 23780	20.51 0.75 0.00	20.81 0.76 0.00	20.81 0.72 0.00	19.93 0.64 0.00	19.79 0.52 0.00	21.11 0.77 0.00	23.78 0.91 0.00	25.35 0.83 0.00	27.29 0.69 0.00	29.44 0.75 -0.93	30.94 0.64 -1.17	34.71 1.03 -1.54	34.99 1.04 -1.53	35.01 0.94 -1.73	42.01 1.26 -2.63	40.65 0.76 -3.72	44.32 0.73 -2.91	54.11 1.33 -3.60	42.75 1.09 -2.62	34.79 0.90 -1.68	34.40 0.80 -1.42	34.02 1.50 -1.26	31.27 1.33 -1.00	28.18 1.03 -0.76
FPL_FAR_ROCK_GT1 24212	26.32 1.28 -5.27	23.64 1.28 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	21.83 1.23 -1.33	22.57 1.40 -0.83	25.06 1.90 -0.29	29.01 1.59 -2.91	29.95 1.89 -1.47	31.61 2.33 -1.52	32.35 3.20 -0.02	36.76 3.69 -0.92	38.38 3.53 -2.43	40.83 3.30 -5.19	42.26 3.51 -0.63	48.89 3.65 -9.06	55.13 4.36 -10.10	62.60 4.57 -8.84	55.00 3.55 -12.41	45.32 2.51 -10.59	39.59 3.38 -4.03	38.83 3.35 -4.22	31.77 2.81 -0.02	29.10 2.69 -0.02
FPL_FAR_ROCK_GT2 23815	26.32 1.28 -5.27	23.64 1.28 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	21.83 1.23 -1.33	22.57 1.40 -0.83	25.06 1.90 -0.29	29.01 1.59 -2.91	29.95 1.89 -1.47	31.61 2.33 -1.52	32.35 3.20 -0.02	36.76 3.69 -0.92	38.38 3.53 -2.43	40.83 3.30 -5.19	42.26 3.51 -0.63	48.89 3.65 -9.06	55.13 4.36 -10.10	62.60 4.57 -8.84	55.00 3.55 -12.41	45.32 2.51 -10.59	39.59 3.38 -4.03	38.83 3.35 -4.22	31.77 2.81 -0.02	29.10 2.69 -0.02
FRANKLIN_FALL_HYD 24054	19.92 0.16 0.00	20.21 0.16 0.00	20.22 0.14 0.00	19.41 0.12 0.00	19.40 0.13 0.00	20.48 0.14 0.00	23.09 0.23 0.00	25.00 0.49 0.00	27.13 0.53 0.00	28.20 0.44 0.00	29.53 0.41 0.00	32.50 0.35 0.00	32.42 0.00 0.00	32.18 0.00 0.00	37.63 -0.50 0.00	34.52 -1.16 0.49	39.58 -1.10 0.00	48.44 -0.74 0.00	38.10 -0.94 0.00	31.53 -0.68 0.00	31.47 -0.71 0.00	30.88 -0.38 0.00	28.98 0.03 0.00	26.31 -0.08 0.00
FREEPORT_EQUS_GT1 23764	26.24 1.21 -5.27	23.58 1.22 -2.31	22.45 0.96 -1.40	21.23 0.96 -0.97	21.77 1.18 -1.33	22.53 1.36 -0.83	25.01 1.85 -0.29	28.89 1.47 -2.91	29.82 1.76 -1.47	31.50 2.22 -1.52	32.20 3.06 -0.02	36.52 3.44 -0.93	38.48 3.43 -2.62	40.73 3.17 -5.22	42.28 3.13 -1.03	48.49 3.26 -9.06	54.64 3.87 -10.09	61.92 3.98 -8.76	54.57 3.12 -12.41	44.96 2.16 -10.59	39.81 3.25 -4.39	38.91 3.13 -4.53	31.66 2.69 -0.02	29.02 2.61 -0.02
FREEPORT___CT2 23818	26.24 1.21 -5.27	23.58 1.22 -2.31	22.45 0.96 -1.40	21.23 0.96 -0.97	21.77 1.18 -1.33	22.53 1.36 -0.83	25.01 1.85 -0.29	28.89 1.47 -2.91	29.82 1.76 -1.47	31.50 2.22 -1.52	32.20 3.06 -0.02	36.52 3.44 -0.93	38.48 3.43 -2.62	40.73 3.17 -5.22	42.28 3.13 -1.03	48.49 3.26 -9.06	54.64 3.87 -10.09	61.92 3.98 -8.76	54.57 3.12 -12.41	44.96 2.16 -10.59	39.81 3.25 -4.39	38.91 3.13 -4.53	31.66 2.69 -0.02	29.02 2.61 -0.02
FRESHKLS_33_KV_LOAD 356253	26.35 1.30 -5.28	23.69 1.32 -2.32	22.74 1.25 -1.41	21.52 1.25 -0.98	21.83 1.23 -1.33	22.42 1.26 -0.83	24.71 1.55 -0.29	28.96 1.54 -2.91	29.79 1.73 -1.46	31.47 2.19 -1.52	31.60 2.48 0.00	34.91 2.76 -0.01	37.09 3.02 -1.65	38.29 2.88 -3.07	41.04 3.62 0.71	47.27 3.69 -7.41	54.57 3.82 -10.06	62.27 4.77 -8.32	51.15 3.59 -8.51	42.88 2.45 -8.23	37.18 2.67 -2.33	33.80 2.53 -0.01	31.28 2.32 -0.02	28.59 2.19 -0.01
FULTON COGEN____ 23766	19.67 -0.10 0.00	19.95 -0.10 0.00	19.98 -0.10 0.00	19.14 -0.15 0.00	19.10 -0.17 0.00	20.24 -0.10 0.00	22.68 -0.18 0.00	24.24 -0.27 0.00	26.28 -0.32 0.00	29.53 -0.31 -2.08	31.53 -0.20 -2.61	35.55 -0.03 -3.44	36.02 0.19 -3.40	36.39 0.19 -3.86	44.25 0.27 -5.85	43.81 0.40 -7.24	47.62 0.45 -6.50	57.56 0.34 -8.03	45.41 0.47 -5.90	36.25 0.26 -3.78	35.57 0.19 -3.20	34.20 0.09 -2.85	31.16 -0.03 -2.24	28.02 -0.08 -1.71



FULTON___LFGE 323630	37.58 2.63 -15.19	29.15 2.44 -6.66	26.62 2.49 -4.05	24.35 2.26 -2.80	25.32 2.23 -3.82	25.28 2.56 -2.38	26.43 2.72 -0.85	35.69 2.79 -8.38	33.80 2.95 -4.25	34.99 2.83 -4.40	32.30 3.18 0.00	36.87 4.73 0.00	44.51 5.16 -6.94	51.40 4.11 -14.95	44.58 4.65 -1.80	51.03 4.85 -10.02	69.86 5.57 -23.61	81.58 7.08 -25.32	80.61 6.01 -35.56	67.65 5.09 -30.36	48.83 5.18 -11.48	36.29 5.03 0.00	33.20 4.26 0.00	30.11 3.72 0.00
G.F.CEMENT___DRP 24184	37.36 1.60 -15.99	28.54 1.48 -7.01	25.89 1.55 -4.26	23.65 1.41 -2.95	24.70 1.41 -4.02	24.39 1.55 -2.50	25.38 1.62 -0.89	35.13 1.79 -8.82	33.15 2.13 -4.42	34.53 2.19 -4.58	31.57 2.45 0.00	35.00 2.86 0.00	42.97 3.24 -7.30	51.38 3.30 -15.74	43.65 3.62 -1.90	50.27 3.47 -10.62	69.71 4.03 -25.00	80.95 5.02 -26.75	80.56 3.94 -37.58	67.57 3.29 -32.08	47.46 3.15 -12.13	34.13 2.88 0.00	31.46 2.52 0.00	28.60 2.22 0.00
GARDENVILLE___LBMP 24039	21.50 0.85 -0.89	21.16 0.72 -0.39	21.08 0.76 -0.24	19.88 0.42 -0.16	19.84 0.35 -0.22	21.23 0.75 -0.14	23.33 0.41 -0.05	24.95 -0.05 -0.49	26.90 0.05 -0.25	28.07 0.06 -0.26	29.65 0.52 0.00	33.07 0.93 0.00	34.68 1.85 -0.41	35.14 1.91 -0.89	40.56 2.33 -0.11	40.71 2.57 -1.97	45.27 3.17 -1.41	53.75 3.05 -1.52	44.22 3.05 -2.13	36.16 2.13 -1.82	34.63 1.77 -0.68	32.60 1.34 0.00	29.84 0.90 0.00	27.31 0.92 0.00
GARDNVLA_35_KV_LD 355827	21.61 0.95 -0.89	21.26 0.82 -0.39	21.16 0.84 -0.24	19.96 0.50 -0.16	19.92 0.42 -0.22	21.33 0.85 -0.14	23.42 0.50 -0.05	25.05 0.05 -0.49	27.01 0.16 -0.25	28.18 0.17 -0.26	29.79 0.67 0.00	33.24 1.09 0.00	34.88 2.04 -0.41	35.34 2.10 -0.89	40.79 2.55 -0.11	40.96 2.82 -1.97	45.60 3.50 -1.42	54.10 3.39 -1.53	44.54 3.36 -2.14	36.39 2.35 -1.83	34.86 1.99 -0.69	32.79 1.53 0.00	29.99 1.04 0.00	27.44 1.06 0.00
GELCKHM___115KV_LOAD 80723	20.20 0.00 -0.44	20.22 -0.02 -0.19	20.18 -0.02 -0.12	19.29 -0.08 -0.08	19.28 -0.10 -0.11	20.41 0.00 -0.07	22.82 -0.07 -0.02	24.61 -0.15 -0.24	26.54 -0.19 -0.12	28.49 -0.17 -0.89	30.03 -0.06 -0.97	33.54 0.13 -1.27	34.30 0.39 -1.49	34.62 0.39 -1.89	40.89 0.50 -2.27	40.70 0.61 -3.91	44.42 0.65 -3.09	53.48 0.59 -3.71	42.93 0.66 -3.22	34.88 0.39 -2.29	33.99 0.29 -1.52	32.52 0.22 -1.05	29.83 0.06 -0.83	27.02 0.00 -0.63
GENERAL___MILLS 23808	21.57 0.91 -0.89	21.22 0.78 -0.39	21.12 0.80 -0.24	19.92 0.46 -0.16	19.88 0.39 -0.22	21.29 0.81 -0.14	23.37 0.46 -0.05	25.00 0.00 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.71 0.58 0.00	33.17 1.03 0.00	34.78 1.95 -0.41	35.20 1.97 -0.89	40.67 2.44 -0.11	40.85 2.71 -1.97	45.43 3.34 -1.42	53.90 3.20 -1.52	44.38 3.20 -2.14	36.26 2.22 -1.83	34.73 1.87 -0.69	32.69 1.44 0.00	29.93 0.98 0.00	27.36 0.98 0.00
GE_PLASTICS___DRP 24183	29.92 0.75 -9.40	24.97 0.80 -4.12	23.41 0.82 -2.50	21.83 0.81 -1.73	22.44 0.81 -2.36	22.62 0.81 -1.47	24.30 0.91 -0.52	30.61 0.91 -5.19	30.11 0.90 -2.60	31.43 0.97 -2.70	30.00 0.87 0.00	33.07 0.93 0.00	37.49 0.78 -4.29	42.37 0.78 -9.25	40.16 0.92 -1.12	43.96 0.90 -6.89	56.38 0.98 -14.72	65.96 1.08 -15.70	62.03 0.94 -22.05	51.74 0.71 -18.82	40.06 0.77 -7.12	31.98 0.72 0.00	29.87 0.93 0.00	27.26 0.87 0.00
GILBOA___1 23756	25.22 0.63 -4.83	22.80 0.64 -2.11	22.07 0.70 -1.29	20.95 0.77 -0.89	21.25 0.77 -1.21	21.74 0.65 -0.76	23.91 0.78 -0.27	27.91 0.73 -2.66	28.74 0.80 -1.34	30.04 0.89 -1.39	30.14 1.02 0.00	33.30 1.16 0.00	35.79 1.17 -2.20	38.16 1.07 -4.75	39.92 1.22 -0.57	40.79 1.19 -3.43	49.29 1.34 -7.26	58.66 1.43 -8.06	51.57 1.21 -11.32	42.83 0.97 -9.66	36.92 1.09 -3.65	32.41 1.16 0.00	29.87 0.93 0.00	27.29 0.90 0.00
GILBOA___2 23757	25.22 0.63 -4.83	22.80 0.64 -2.11	22.07 0.70 -1.29	20.95 0.77 -0.89	21.25 0.77 -1.21	21.74 0.65 -0.76	23.91 0.78 -0.27	27.91 0.73 -2.66	28.74 0.80 -1.34	30.04 0.89 -1.39	30.14 1.02 0.00	33.30 1.16 0.00	35.79 1.17 -2.20	38.16 1.07 -4.75	39.92 1.22 -0.57	40.79 1.19 -3.43	49.29 1.34 -7.26	58.66 1.43 -8.06	51.57 1.21 -11.32	42.83 0.97 -9.66	36.92 1.09 -3.65	32.41 1.16 0.00	29.87 0.93 0.00	27.29 0.90 0.00
GILBOA___3 23758	25.22 0.63 -4.83	22.80 0.64 -2.11	22.07 0.70 -1.29	20.95 0.77 -0.89	21.25 0.77 -1.21	21.74 0.65 -0.76	23.91 0.78 -0.27	27.91 0.73 -2.66	28.74 0.80 -1.34	30.04 0.89 -1.39	30.14 1.02 0.00	33.30 1.16 0.00	35.79 1.17 -2.20	38.16 1.07 -4.75	39.92 1.22 -0.57	40.79 1.19 -3.43	49.29 1.34 -7.26	58.66 1.43 -8.06	51.57 1.21 -11.32	42.83 0.97 -9.66	36.92 1.09 -3.65	32.41 1.16 0.00	29.87 0.93 0.00	27.29 0.90 0.00
GILBOA___4 23759	25.22 0.63 -4.83	22.80 0.64 -2.11	22.07 0.70 -1.29	20.95 0.77 -0.89	21.25 0.77 -1.21	21.74 0.65 -0.76	23.91 0.78 -0.27	27.91 0.73 -2.66	28.74 0.80 -1.34	30.04 0.89 -1.39	30.14 1.02 0.00	33.30 1.16 0.00	35.79 1.17 -2.20	38.16 1.07 -4.75	39.92 1.22 -0.57	40.79 1.19 -3.43	49.29 1.34 -7.26	58.66 1.43 -8.06	51.57 1.21 -11.32	42.83 0.97 -9.66	36.92 1.09 -3.65	32.41 1.16 0.00	29.87 0.93 0.00	27.29 0.90 0.00
GILBOA___ 23599	25.22 0.63 -4.83	22.80 0.64 -2.11	22.07 0.70 -1.29	20.95 0.77 -0.89	21.25 0.77 -1.21	21.74 0.65 -0.76	23.91 0.78 -0.27	27.91 0.74 -2.66	28.74 0.80 -1.34	30.04 0.89 -1.39	30.03 0.90 0.00	33.14 1.00 0.00	35.79 1.17 -2.20	38.13 1.03 -4.75	39.88 1.18 -0.57	40.76 1.16 -3.43	49.17 1.22 -7.26	58.58 1.38 -8.03	51.49 1.17 -11.27	42.83 1.00 -9.62	36.94 1.13 -3.64	32.29 1.03 0.00	29.87 0.93 0.00	27.26 0.87 0.00
GINNA___ 23603	19.94 -0.42 -0.59	19.83 -0.48 -0.26	19.72 -0.52 -0.16	18.74 -0.66 -0.11	18.74 -0.67 -0.15	19.96 -0.47 -0.09	22.19 -0.71 -0.03	23.86 -0.98 -0.33	25.81 -0.96 -0.17	27.07 -0.86 -0.17	28.37 -0.76 0.00	31.63 -0.52 0.00	32.50 -0.19 -0.27	32.83 -0.10 -0.59	38.05 -0.15 -0.07	38.13 0.15 -1.82	41.91 0.29 -0.94	50.10 -0.10 -1.02	40.67 0.20 -1.43	33.49 0.06 -1.22	32.41 -0.22 -0.46	31.01 -0.25 0.00	28.43 -0.52 0.00	25.81 -0.58 0.00
GLEN PARK___ 23778	20.65 0.89 0.00	20.91 0.86 0.00	20.95 0.86 0.00	20.06 0.77 0.00	19.88 0.62 0.00	21.23 0.89 0.00	23.94 1.07 0.00	25.47 0.96 0.00	27.40 0.80 0.00	29.62 0.89 -0.98	31.02 0.67 -1.23	35.01 1.25 -1.62	35.26 1.23 -1.61	35.29 1.13 -1.82	42.34 1.45 -2.76	41.05 1.01 -3.87	44.75 1.02 -3.05	54.63 1.67 -3.78	43.18 1.37 -2.78	35.12 1.13 -1.78	34.74 1.06 -1.51	34.44 1.84 -1.34	31.56 1.56 -1.06	28.38 1.19 -0.81
GLENDALE_27_KV_LOAD 356172	26.24 1.21 -5.27	23.58 1.22 -2.31	22.61 1.12 -1.40	21.40 1.14 -0.97	21.69 1.10 -1.33	22.32 1.16 -0.83	24.67 1.51 -0.29	28.94 1.52 -2.91	29.82 1.76 -1.46	31.50 2.22 -1.52	31.72 2.59 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.49 3.74 -0.63	49.09 3.83 -9.08	54.88 4.11 -10.09	63.00 4.92 -8.90	55.23 3.71 -12.48	45.44 2.58 -10.66	38.97 2.77 -4.03	33.89 2.63 -0.01	31.30 2.34 -0.01	28.56 2.16 -0.01



GLENWOOD_IC_1_G5 23712	26.18 1.15 -5.27	23.52 1.16 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.69 1.10 -1.33	22.40 1.24 -0.83	24.80 1.65 -0.29	28.87 1.45 -2.91	29.74 1.68 -1.47	31.39 2.11 -1.52	31.76 2.62 -0.02	35.81 2.73 -0.93	37.90 3.05 -2.43	40.47 2.91 -5.22	42.07 3.32 -0.63	48.64 3.40 -9.07	54.60 3.82 -10.10	62.13 4.08 -8.87	54.73 3.20 -12.49	44.96 2.09 -10.66	38.91 2.67 -4.06	37.89 2.41 -4.22	31.31 2.34 -0.02	28.62 2.22 -0.02
GLENWOOD_IC_2_G1 23688	26.10 1.07 -5.27	23.44 1.08 -2.31	22.43 0.94 -1.40	21.21 0.94 -0.97	21.61 1.02 -1.33	22.30 1.14 -0.83	24.69 1.53 -0.29	28.77 1.35 -2.91	29.63 1.57 -1.47	31.25 1.97 -1.52	31.85 2.71 -0.02	36.09 3.02 -0.92	37.93 3.08 -2.43	40.45 2.91 -5.19	42.11 3.36 -0.63	48.63 3.40 -9.06	54.68 3.91 -10.10	62.19 4.18 -8.84	54.81 3.36 -12.41	45.19 2.38 -10.59	38.98 2.77 -4.03	38.07 2.59 -4.22	31.14 2.17 -0.02	28.49 2.08 -0.02
GLENWOOD_IC_3_G1 23689	26.10 1.07 -5.27	23.44 1.08 -2.31	22.43 0.94 -1.40	21.21 0.94 -0.97	21.61 1.02 -1.33	22.30 1.14 -0.83	24.69 1.53 -0.29	28.77 1.35 -2.91	29.63 1.57 -1.47	31.25 1.97 -1.52	31.85 2.71 -0.02	36.09 3.02 -0.92	37.93 3.08 -2.43	40.45 2.91 -5.19	42.11 3.36 -0.63	48.63 3.40 -9.06	54.68 3.91 -10.10	62.19 4.18 -8.84	54.81 3.36 -12.41	45.19 2.38 -10.59	38.98 2.77 -4.03	38.07 2.59 -4.22	31.14 2.17 -0.02	28.49 2.08 -0.02
GLENWOOD___4 23550	26.18 1.15 -5.27	23.52 1.16 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.69 1.10 -1.33	22.40 1.24 -0.83	24.80 1.65 -0.29	28.87 1.45 -2.91	29.74 1.68 -1.47	31.39 2.11 -1.52	31.76 2.62 -0.02	35.87 2.80 -0.93	37.99 3.14 -2.43	40.57 3.01 -5.22	42.15 3.39 -0.63	48.75 3.51 -9.07	54.72 3.95 -10.10	62.28 4.23 -8.87	54.81 3.28 -12.49	45.06 2.19 -10.66	39.01 2.77 -4.06	37.95 2.47 -4.22	31.31 2.34 -0.02	28.62 2.22 -0.02
GLENWOOD___5 23614	26.18 1.15 -5.27	23.52 1.16 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.69 1.10 -1.33	22.40 1.24 -0.83	24.80 1.65 -0.29	28.87 1.45 -2.91	29.74 1.68 -1.47	31.39 2.11 -1.52	31.76 2.62 -0.02	35.87 2.80 -0.93	37.99 3.14 -2.43	40.57 3.01 -5.22	42.15 3.39 -0.63	48.75 3.51 -9.07	54.72 3.95 -10.10	62.28 4.23 -8.87	54.81 3.28 -12.49	45.06 2.19 -10.66	39.01 2.77 -4.06	37.95 2.47 -4.22	31.31 2.34 -0.02	28.62 2.22 -0.02
GLOBAL GREEN_PORT_GT1 23814	26.97 1.94 -5.27	24.46 2.10 -2.31	23.05 1.57 -1.40	21.79 1.52 -0.97	22.69 2.10 -1.33	23.66 2.50 -0.83	26.50 3.34 -0.29	29.72 2.30 -2.91	30.88 2.82 -1.47	32.58 3.30 -1.52	34.63 5.47 -0.03	39.94 5.88 -1.92	43.80 5.90 -5.47	55.46 5.76 -17.36	51.29 6.14 -7.02	54.19 6.26 -11.76	77.37 7.32 -29.37	105.06 8.11 -47.77	61.35 6.52 -15.79	53.44 4.80 -16.43	48.55 5.98 -10.39	46.09 5.75 -9.08	34.12 5.15 -0.02	31.08 4.67 -0.02
GLOBE___DSASP 323697	20.75 0.18 -0.81	20.44 0.04 -0.36	20.38 0.08 -0.22	19.21 -0.23 -0.15	19.18 -0.29 -0.20	20.55 0.08 -0.13	22.52 -0.39 -0.05	23.96 -1.01 -0.45	25.82 -1.01 -0.23	27.05 -0.94 -0.23	28.60 -0.52 0.00	31.79 -0.35 0.00	33.25 0.45 -0.38	33.64 0.49 -0.81	38.91 0.69 -0.10	39.11 1.01 -1.93	43.31 1.34 -1.29	51.45 0.89 -1.39	42.28 1.29 -1.95	34.68 0.81 -1.66	33.35 0.55 -0.62	31.44 0.19 0.00	28.83 -0.12 0.00	26.47 0.08 0.00
GOETHSLN___LBMP 323567	25.94 0.91 -5.27	23.28 0.92 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.10 0.94 -0.83	24.42 1.26 -0.29	28.65 1.23 -2.91	29.50 1.44 -1.46	31.14 1.86 -1.52	31.34 2.21 0.00	34.57 2.41 -0.02	36.64 2.56 -1.66	37.86 2.46 -3.06	40.47 3.05 0.70	46.79 3.22 -7.40	54.24 3.50 -10.06	61.48 3.98 -8.31	50.55 3.01 -8.51	42.52 2.09 -8.22	36.72 2.22 -2.32	33.32 2.06 0.00	30.84 1.88 -0.01	28.13 1.74 0.00
GOLAH___69_KV_TB_1_2 80279	21.14 0.75 -0.62	21.02 0.70 -0.27	20.89 0.64 -0.17	19.83 0.42 -0.11	19.85 0.42 -0.16	21.13 0.69 -0.10	23.40 0.50 -0.03	25.08 0.22 -0.34	27.04 0.27 -0.17	28.27 0.33 -0.18	29.79 0.67 0.00	33.14 1.00 0.00	34.23 1.52 -0.29	34.48 1.52 -0.62	40.03 1.83 -0.07	39.96 1.95 -1.84	44.15 2.48 -0.99	52.60 2.36 -1.06	42.88 2.34 -1.49	35.29 1.80 -1.27	34.02 1.35 -0.49	32.35 1.09 0.00	29.73 0.78 0.00	27.15 0.77 0.00
GOODYEAR_LAKE_HYD 323669	27.16 0.93 -6.46	23.78 0.90 -2.83	22.73 0.92 -1.72	21.37 0.89 -1.19	21.74 0.85 -1.63	22.35 1.00 -1.01	24.37 1.14 -0.36	29.23 1.15 -3.57	29.65 1.25 -1.80	31.02 1.39 -1.87	30.70 1.57 0.00	34.10 1.96 0.00	37.51 2.14 -2.95	40.81 2.10 -6.36	41.41 2.52 -0.77	43.44 2.35 -4.92	53.50 2.64 -10.17	63.33 3.10 -11.05	56.66 2.62 -15.00	46.89 2.00 -12.68	39.20 2.06 -4.97	33.63 2.09 -0.28	30.90 1.74 -0.22	28.06 1.50 -0.17
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	22.14 0.53 -1.84	21.35 0.50 -0.81	21.09 0.52 -0.49	20.03 0.41 -0.34	20.12 0.39 -0.46	21.17 0.55 -0.29	23.49 0.53 -0.10	25.92 0.39 -1.01	27.56 0.45 -0.51	29.19 0.44 -0.98	30.36 0.67 -0.57	33.82 0.93 -0.75	35.30 1.33 -1.55	36.29 1.33 -2.62	41.17 1.60 -1.44	41.50 1.70 -3.63	47.01 1.99 -4.33	56.13 2.07 -4.89	46.72 1.99 -5.69	38.18 1.38 -4.58	35.58 1.29 -2.12	33.00 1.13 -0.62	30.28 0.84 -0.49	27.50 0.74 -0.37
GOUDEY___7 23579	22.16 0.55 -1.84	21.37 0.52 -0.81	21.11 0.54 -0.49	20.05 0.42 -0.34	20.14 0.40 -0.46	21.20 0.57 -0.29	23.52 0.55 -0.10	25.94 0.42 -1.01	27.59 0.48 -0.51	29.21 0.47 -0.98	30.39 0.70 -0.57	33.89 1.00 -0.75	35.37 1.39 -1.55	36.35 1.39 -2.62	41.25 1.68 -1.44	41.58 1.77 -3.63	47.09 2.07 -4.33	56.23 2.16 -4.89	46.80 2.07 -5.69	38.21 1.42 -4.58	35.65 1.35 -2.12	33.03 1.16 -0.62	30.33 0.90 -0.49	27.53 0.77 -0.37
GOUDEY___8 23580	22.14 0.53 -1.84	21.35 0.50 -0.81	21.09 0.52 -0.49	20.03 0.41 -0.34	20.12 0.39 -0.46	21.17 0.55 -0.29	23.49 0.53 -0.10	25.92 0.39 -1.01	27.56 0.45 -0.51	29.19 0.44 -0.98	30.36 0.67 -0.57	33.82 0.93 -0.75	35.30 1.33 -1.55	36.29 1.33 -2.62	41.17 1.60 -1.44	41.50 1.70 -3.63	47.01 1.99 -4.33	56.13 2.07 -4.89	46.72 1.99 -5.69	38.18 1.38 -4.58	35.58 1.29 -2.12	33.00 1.13 -0.62	30.28 0.84 -0.49	27.50 0.74 -0.37
GOWANUS_GT1_1 24077	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT1_2 24078	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01



GOWANUS_GT1_3 24079	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT1_4 24080	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT1_5 24084	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT1_6 24111	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT1_7 24112	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT1_8 24113	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT2_1 24114	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_2 24115	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_3 24116	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_4 24117	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_5 24118	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_6 24119	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_7 24120	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT2_8 24121	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_1 24122	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01



GOWANUS_GT3_2 24123	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_3 24124	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_4 24125	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_5 24126	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_6 24127	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_7 24128	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT3_8 24129	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
GOWANUS_GT4_1 24130	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_2 24131	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_3 24132	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_4 24133	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_5 24134	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_6 24135	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_7 24136	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GOWANUS_GT4_8 24137	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01



GREENBSH_115KV_TB3 55895	31.25 0.77 -10.71	25.58 0.84 -4.69	23.80 0.86 -2.85	22.11 0.85 -1.98	22.81 0.85 -2.69	22.87 0.85 -1.68	24.42 0.96 -0.60	31.36 0.93 -5.91	30.47 0.90 -2.96	31.77 0.94 -3.07	29.94 0.82 0.00	33.01 0.87 0.00	38.25 0.94 -4.89	43.79 0.91 -10.54	40.50 1.11 -1.27	44.96 1.05 -7.74	58.67 1.18 -16.81	68.41 1.33 -17.90	65.28 1.09 -25.14	54.51 0.84 -21.47	41.19 0.90 -8.11	32.07 0.81 0.00	29.79 0.84 0.00	27.18 0.79 0.00
GREENDGE_115KV_TB5 80291	21.54 0.71 -1.06	21.17 0.66 -0.47	21.05 0.68 -0.28	19.97 0.48 -0.20	19.98 0.44 -0.27	21.26 0.75 -0.17	23.61 0.69 -0.06	25.61 0.51 -0.59	27.48 0.59 -0.30	29.04 0.61 -0.67	30.54 0.96 -0.46	34.16 1.41 -0.60	35.15 1.85 -0.88	35.73 1.88 -1.51	41.16 2.25 -0.78	41.30 2.42 -2.70	46.20 2.68 -2.83	55.22 2.80 -3.23	45.45 2.81 -3.59	37.05 2.00 -2.85	35.40 1.83 -1.39	33.41 1.66 -0.50	30.59 1.24 -0.39	27.72 1.03 -0.30
GREENIDGE___3 23582	21.54 0.71 -1.06	21.17 0.66 -0.47	21.05 0.68 -0.28	19.97 0.48 -0.20	19.98 0.44 -0.27	21.26 0.75 -0.17	23.61 0.69 -0.06	25.61 0.51 -0.59	27.48 0.59 -0.30	29.04 0.61 -0.67	30.54 0.96 -0.46	34.16 1.41 -0.60	35.15 1.85 -0.88	35.73 1.88 -1.51	41.16 2.25 -0.78	41.30 2.42 -2.70	46.20 2.68 -2.83	55.22 2.80 -3.23	45.45 2.81 -3.59	37.05 2.00 -2.85	35.40 1.83 -1.39	33.41 1.66 -0.50	30.59 1.24 -0.39	27.72 1.03 -0.30
GREENIDGE___4 23583	21.54 0.71 -1.06	21.20 0.68 -0.47	21.05 0.68 -0.28	19.95 0.46 -0.20	19.98 0.44 -0.27	21.26 0.75 -0.17	23.61 0.69 -0.06	25.62 0.52 -0.59	27.46 0.56 -0.30	29.04 0.61 -0.67	30.52 0.93 -0.46	34.23 1.48 -0.61	35.26 1.98 -0.86	35.60 1.78 -1.48	40.96 2.06 -0.78	41.24 2.39 -2.69	46.04 2.52 -2.83	55.12 2.70 -3.23	45.29 2.66 -3.60	36.96 1.90 -2.85	35.30 1.74 -1.39	33.48 1.72 -0.50	30.53 1.19 -0.40	27.64 0.95 -0.30
GREENLWN_69_KV_BK 3 55738	26.20 1.17 -5.27	23.58 1.22 -2.31	22.39 0.90 -1.40	21.23 0.96 -0.97	21.75 1.16 -1.33	22.51 1.34 -0.83	25.01 1.85 -0.29	28.89 1.47 -2.91	29.82 1.76 -1.47	31.53 2.25 -1.52	32.08 2.94 -0.01	36.24 3.31 -0.78	37.61 3.66 -1.53	38.54 3.46 -2.74	39.93 3.05 1.25	47.86 3.22 -8.47	50.18 3.66 -5.84	53.16 3.69 -0.29	53.71 2.93 -11.74	43.38 1.80 -9.37	37.79 3.31 -2.30	36.74 2.69 -2.80	31.71 2.75 -0.01	28.99 2.59 -0.02
GREENWD_138_KV_38B11_REV_LBMP_J 345004	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01
GRISSOM___SOLAR 323813	37.58 2.63 -15.19	29.15 2.44 -6.66	26.62 2.49 -4.05	24.35 2.26 -2.80	25.32 2.23 -3.82	25.28 2.56 -2.38	26.43 2.72 -0.85	35.69 2.79 -8.38	33.80 2.95 -4.25	34.99 2.83 -4.40	32.30 3.18 0.00	36.87 4.73 0.00	44.51 5.16 -6.94	51.40 4.11 -14.95	44.58 4.65 -1.80	51.03 4.85 -10.02	69.86 5.57 -23.61	81.58 7.08 -25.32	80.61 6.01 -35.56	67.65 5.09 -30.36	48.83 5.18 -11.48	36.29 5.03 0.00	33.20 4.26 0.00	30.11 3.72 0.00
GROVEVILLE___HYD 323602	26.20 1.09 -5.34	23.51 1.12 -2.34	22.55 1.04 -1.42	21.34 1.06 -0.99	21.65 1.04 -1.34	22.29 1.12 -0.84	24.60 1.44 -0.30	28.86 1.40 -2.95	29.63 1.54 -1.49	31.21 1.92 -1.54	31.40 2.27 0.00	34.75 2.60 0.00	37.62 2.76 -2.44	40.35 2.75 -5.26	42.04 3.28 -0.63	48.48 3.29 -9.02	54.66 3.86 -10.12	62.10 3.93 -8.99	54.94 3.28 -12.62	45.20 2.22 -10.77	38.53 2.28 -4.07	33.41 2.16 0.00	30.80 1.85 0.00	28.08 1.69 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.44 0.06 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.77 0.03 -0.14	29.10 0.03 -1.31	30.76 0.17 -1.46	34.49 0.42 -1.93	35.32 0.71 -2.19	35.73 0.68 -2.70	42.40 0.84 -3.43	42.19 0.94 -5.08	46.17 1.06 -4.43	55.61 1.08 -5.35	44.60 1.05 -4.50	36.06 0.71 -3.14	34.97 0.61 -2.18	33.35 0.50 -1.59	30.49 0.29 -1.25	27.56 0.21 -0.96
HAMLTNNY_34_KV_TB 80303	20.54 0.24 -0.54	20.52 0.24 -0.24	20.49 0.26 -0.14	19.54 0.15 -0.10	19.56 0.15 -0.14	20.69 0.26 -0.08	23.12 0.23 -0.03	24.96 0.15 -0.30	26.91 0.16 -0.15	29.31 0.19 -1.36	30.98 0.35 -1.51	34.71 0.58 -1.99	35.58 0.88 -2.28	36.11 0.94 -2.83	42.84 1.14 -3.57	42.66 1.27 -5.23	46.71 1.42 -4.60	56.21 1.48 -5.55	45.14 1.41 -4.70	36.46 0.97 -3.29	35.31 0.87 -2.26	33.65 0.75 -1.64	30.73 0.49 -1.29	27.77 0.40 -0.99
HAMPSHIRE___PAPER_HYD 323593	19.96 0.20 0.00	20.25 0.20 0.00	20.28 0.20 0.00	19.44 0.15 0.00	19.37 0.10 0.00	20.54 0.20 0.00	23.16 0.30 0.00	24.86 0.34 0.00	26.89 0.29 0.00	28.39 0.22 -0.41	29.38 -0.26 -0.52	32.76 -0.06 -0.68	32.87 -0.23 -0.67	32.62 -0.48 -0.76	38.67 -0.61 -1.16	36.56 -1.19 -1.58	40.50 -1.46 -1.28	49.83 -0.94 -1.58	39.07 -1.13 -1.16	32.09 -0.87 -0.75	31.91 -0.90 -0.63	31.44 -0.37 -0.56	29.65 0.26 -0.44	26.91 0.19 -0.34
HARDSCRABBLE_WT_PWR 323673	19.53 -0.24 0.00	19.85 -0.20 0.00	19.88 -0.20 0.00	19.10 -0.19 0.00	19.08 -0.19 0.00	20.17 -0.16 0.00	22.73 -0.14 0.00	24.29 -0.22 0.00	26.39 -0.21 0.00	27.57 -0.19 0.00	28.98 -0.14 0.00	32.27 0.13 0.00	32.52 0.10 0.00	32.12 -0.22 0.00	37.94 -0.19 0.00	37.57 -0.33 -1.73	40.23 -0.45 0.00	48.64 -0.54 0.00	38.69 -0.35 0.00	31.89 -0.32 0.00	31.86 -0.32 0.00	31.07 -0.19 0.00	28.71 -0.23 0.00	26.20 -0.18 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	25.57 0.87 -4.93	23.09 0.88 -2.16	22.22 0.82 -1.31	21.03 0.83 -0.91	21.34 0.83 -1.24	22.01 0.89 -0.77	24.33 1.19 -0.27	28.36 1.13 -2.72	29.20 1.22 -1.37	30.76 1.58 -1.42	31.08 1.95 0.00	34.42 2.28 0.00	37.11 2.43 -2.25	39.56 2.36 -4.86	41.57 2.86 -0.59	47.73 2.86 -8.70	53.58 3.38 -9.53	60.96 3.44 -8.34	53.61 2.85 -11.72	44.08 1.87 -10.00	37.89 1.93 -3.78	33.07 1.81 0.00	30.48 1.53 0.00	27.81 1.42 0.00
HARSNRAD_115KV_TB1 81005	21.26 0.69 -0.80	20.96 0.56 -0.35	20.88 0.58 -0.21	19.67 0.23 -0.15	19.64 0.17 -0.20	21.05 0.59 -0.13	23.09 0.18 -0.04	24.59 -0.37 -0.44	26.53 -0.29 -0.22	27.77 -0.22 -0.23	29.36 0.23 0.00	32.72 0.58 0.00	34.25 1.46 -0.37	34.63 1.49 -0.80	40.09 1.87 -0.10	40.23 2.13 -1.93	44.64 2.68 -1.28	53.01 2.46 -1.37	43.59 2.62 -1.93	35.69 1.84 -1.65	34.30 1.51 -0.61	32.38 1.13 0.00	29.67 0.72 0.00	27.18 0.79 0.00
HARZA MOOSE___RIVER 24016	20.32 0.55 0.00	20.59 0.54 0.00	20.62 0.54 0.00	19.77 0.48 0.00	19.69 0.42 0.00	20.91 0.57 0.00	23.57 0.71 0.00	25.22 0.71 0.00	27.29 0.69 0.00	28.84 0.75 -0.33	30.27 0.73 -0.42	33.79 1.09 -0.55	34.04 1.07 -0.55	33.90 0.94 -0.62	40.25 1.18 -0.94	39.18 0.72 -2.28	42.49 0.77 -1.04	51.65 1.18 -1.29	40.94 0.98 -0.93	33.51 0.71 -0.59	33.36 0.68 -0.50	32.77 1.06 -0.45	30.25 0.96 -0.35	27.45 0.79 -0.27



HDSNBRDG_115KV_BRDG_TB1 355580	20.24 0.04 -0.44	20.26 0.02 -0.19	20.22 0.02 -0.12	19.33 -0.04 -0.08	19.32 -0.06 -0.11	20.43 0.02 -0.07	22.84 -0.05 -0.02	24.63 -0.12 -0.24	26.62 -0.11 -0.12	28.40 -0.11 -0.75	29.91 0.00 -0.79	33.34 0.16 -1.04	34.08 0.42 -1.24	34.40 0.45 -1.61	40.54 0.57 -1.84	40.32 0.65 -3.50	44.06 0.73 -2.65	52.99 0.64 -3.17	42.57 0.70 -2.83	34.70 0.45 -2.04	33.80 0.32 -1.30	32.36 0.25 -0.85	29.68 0.06 -0.67	26.93 0.03 -0.51
HELLGATE_13_KV_LD 55870	26.16 1.13 -5.27	23.50 1.14 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.62 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.54 2.42 0.00	34.89 2.73 -0.02	37.71 2.89 -2.41	40.25 2.72 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.52 3.74 -10.09	62.56 4.48 -8.90	54.88 3.36 -12.48	45.18 2.32 -10.66	38.71 2.51 -4.03	33.70 2.44 -0.01	31.15 2.20 -0.01	28.43 2.03 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	26.16 1.13 -5.27	23.50 1.14 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.62 1.02 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.54 2.42 0.00	34.89 2.73 -0.02	37.71 2.89 -2.41	40.25 2.72 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.52 3.74 -10.09	62.56 4.48 -8.90	54.88 3.36 -12.48	45.18 2.32 -10.66	38.71 2.51 -4.03	33.70 2.44 -0.01	31.15 2.20 -0.01	28.43 2.03 -0.01
HEMPSTEAD____ 23647	26.10 1.07 -5.27	23.44 1.08 -2.31	22.35 0.86 -1.40	21.13 0.87 -0.97	21.63 1.04 -1.33	22.36 1.20 -0.83	24.83 1.67 -0.29	28.77 1.35 -2.91	29.66 1.60 -1.47	31.33 2.05 -1.52	32.00 2.86 -0.02	36.19 3.12 -0.93	38.06 3.21 -2.43	40.54 2.97 -5.22	41.84 3.09 -0.62	48.45 3.22 -9.06	54.56 3.78 -10.09	61.87 3.88 -8.80	54.50 3.05 -12.41	44.93 2.13 -10.59	39.17 2.96 -4.04	38.23 2.75 -4.22	31.37 2.40 -0.02	28.75 2.35 -0.02
HEWLETT_69_KV_BK3 55828	26.24 1.21 -5.27	23.60 1.24 -2.31	22.45 0.96 -1.40	21.28 1.02 -0.97	21.77 1.18 -1.33	22.51 1.34 -0.83	24.96 1.81 -0.29	28.92 1.50 -2.91	29.82 1.76 -1.47	31.50 2.22 -1.52	31.91 2.77 -0.02	36.25 3.18 -0.92	38.25 3.40 -2.43	40.76 3.23 -5.19	42.30 3.55 -0.63	48.85 3.62 -9.07	54.97 4.19 -10.10	62.41 4.33 -8.90	55.00 3.47 -12.49	45.12 2.25 -10.66	39.35 3.12 -4.05	38.42 2.94 -4.22	31.60 2.63 -0.02	28.89 2.48 -0.02
HICKLING___1 23621	22.12 0.97 -1.39	21.60 0.94 -0.61	21.42 0.96 -0.37	20.28 0.73 -0.26	20.31 0.69 -0.35	21.57 1.02 -0.22	23.88 0.94 -0.08	26.01 0.74 -0.77	27.81 0.82 -0.39	29.36 0.83 -0.76	30.80 1.22 -0.46	34.35 1.61 -0.60	35.89 2.30 -1.16	36.71 2.39 -1.97	42.09 2.90 -1.07	42.34 3.07 -3.10	47.60 3.58 -3.34	56.75 3.79 -3.78	46.99 3.59 -4.36	38.25 2.54 -3.50	36.13 2.32 -1.63	33.73 1.97 -0.50	30.87 1.53 -0.39	28.01 1.32 -0.30
HICKLING___2 23622	22.12 0.97 -1.39	21.60 0.94 -0.61	21.42 0.96 -0.37	20.28 0.73 -0.26	20.31 0.69 -0.35	21.57 1.02 -0.22	23.88 0.94 -0.08	26.01 0.74 -0.77	27.81 0.82 -0.39	29.36 0.83 -0.76	30.80 1.22 -0.46	34.35 1.61 -0.60	35.89 2.30 -1.16	36.71 2.39 -1.97	42.09 2.90 -1.07	42.34 3.07 -3.10	47.60 3.58 -3.34	56.75 3.79 -3.78	46.99 3.59 -4.36	38.25 2.54 -3.50	36.13 2.32 -1.63	33.73 1.97 -0.50	30.87 1.53 -0.39	28.01 1.32 -0.30
HIGH FALLS___HY 23754	26.75 0.95 -6.04	23.67 0.98 -2.65	22.53 0.84 -1.61	21.29 0.89 -1.11	21.67 0.89 -1.52	22.22 0.94 -0.95	24.55 1.35 -0.34	29.12 1.27 -3.33	29.66 1.38 -1.68	31.30 1.80 -1.74	31.42 2.30 0.00	35.04 2.89 0.00	38.19 3.02 -2.76	41.07 2.78 -5.94	42.20 3.36 -0.72	48.35 3.54 -8.64	54.60 3.78 -10.14	62.22 3.44 -9.60	55.49 2.97 -13.48	45.58 1.87 -11.51	38.49 1.96 -4.35	33.16 1.91 0.00	30.51 1.56 0.00	27.81 1.42 0.00
HILLBURN___GT 23639	25.56 0.79 -5.01	23.04 0.80 -2.19	22.16 0.74 -1.33	20.96 0.75 -0.92	21.30 0.77 -1.26	21.96 0.83 -0.78	24.26 1.12 -0.28	28.30 1.03 -2.76	29.14 1.14 -1.39	30.70 1.50 -1.44	31.19 2.07 0.00	34.58 2.44 0.00	37.17 2.46 -2.29	39.53 2.26 -4.93	41.58 2.86 -0.59	47.78 2.82 -8.78	53.54 3.21 -9.65	61.03 3.44 -8.40	53.73 2.89 -11.80	44.19 1.90 -10.08	37.98 2.00 -3.81	33.16 1.91 0.00	30.45 1.50 0.00	27.86 1.48 0.00
HILLSIDE_115KV_TB1 80332	21.72 0.51 -1.44	21.16 0.48 -0.63	20.97 0.50 -0.38	19.88 0.33 -0.27	19.90 0.27 -0.36	21.11 0.55 -0.23	23.36 0.41 -0.08	25.53 0.22 -0.80	27.27 0.27 -0.40	28.77 0.22 -0.79	30.12 0.52 -0.47	33.60 0.84 -0.62	35.10 1.46 -1.22	35.88 1.49 -2.05	41.08 1.83 -1.12	41.37 2.03 -3.17	46.55 2.40 -3.47	55.51 2.41 -3.92	46.02 2.46 -4.52	37.42 1.58 -3.63	35.29 1.42 -1.69	32.90 1.13 -0.52	30.14 0.78 -0.41	27.36 0.66 -0.31
HISHELDN_WT_PWR 323625	21.54 0.81 -0.96	21.19 0.72 -0.42	21.08 0.74 -0.26	19.89 0.42 -0.18	19.88 0.37 -0.24	21.26 0.77 -0.15	23.35 0.43 -0.05	25.04 0.00 -0.53	26.95 0.08 -0.27	28.12 0.08 -0.28	29.53 0.41 0.00	33.11 0.96 0.00	34.45 1.59 -0.44	34.97 1.68 -0.95	40.15 1.91 -0.11	40.56 2.39 -2.00	45.01 2.80 -1.53	53.53 2.70 -1.64	44.04 2.69 -2.31	36.02 1.83 -1.97	34.50 1.58 -0.75	32.70 1.44 0.00	29.84 0.90 0.00	27.18 0.79 0.00
HOLTSVILLE_IC_1 23690	26.28 1.25 -5.27	23.70 1.34 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.92 1.33 -1.33	22.73 1.57 -0.83	25.33 2.17 -0.29	28.89 1.47 -2.91	29.90 1.83 -1.47	31.55 2.28 -1.52	32.82 3.67 -0.03	38.02 3.98 -1.90	41.88 4.02 -5.44	53.04 3.56 -17.14	48.47 3.39 -6.95	51.35 3.47 -11.71	73.81 4.11 -29.02	100.48 4.23 -47.07	58.08 3.32 -15.73	50.92 2.38 -16.33	46.16 3.67 -10.31	43.97 3.69 -9.02	32.15 3.18 -0.02	29.50 3.09 -0.02
HOLTSVILLE_IC_10 23699	26.42 1.38 -5.27	23.84 1.48 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.54 2.38 -0.29	29.06 1.64 -2.91	30.09 2.02 -1.47	31.75 2.47 -1.52	33.11 3.96 -0.03	38.38 4.28 -1.96	42.33 4.31 -5.59	54.21 3.94 -17.92	49.25 3.85 -7.27	51.96 3.91 -11.88	75.52 4.60 -30.25	103.55 4.82 -49.54	58.81 3.83 -15.94	51.68 2.77 -16.70	46.88 4.05 -10.65	44.56 4.03 -9.27	32.47 3.50 -0.02	29.76 3.35 -0.02
HOLTSVILLE_IC_2 23691	26.28 1.25 -5.27	23.70 1.34 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.92 1.33 -1.33	22.73 1.57 -0.83	25.33 2.17 -0.29	28.89 1.47 -2.91	29.90 1.83 -1.47	31.55 2.28 -1.52	32.82 3.67 -0.03	38.02 3.98 -1.90	41.88 4.02 -5.44	53.04 3.56 -17.14	48.47 3.39 -6.95	51.35 3.47 -11.71	73.81 4.11 -29.02	100.48 4.23 -47.07	58.08 3.32 -15.73	50.92 2.38 -16.33	46.16 3.67 -10.31	43.97 3.69 -9.02	32.15 3.18 -0.02	29.50 3.09 -0.02
HOLTSVILLE_IC_3 23692	26.28 1.25 -5.27	23.70 1.34 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.92 1.33 -1.33	22.73 1.57 -0.83	25.33 2.17 -0.29	28.89 1.47 -2.91	29.90 1.83 -1.47	31.55 2.28 -1.52	32.82 3.67 -0.03	38.02 3.98 -1.90	41.88 4.02 -5.44	53.04 3.56 -17.14	48.47 3.39 -6.95	51.35 3.47 -11.71	73.81 4.11 -29.02	100.48 4.23 -47.07	58.08 3.32 -15.73	50.92 2.38 -16.33	46.16 3.67 -10.31	43.97 3.69 -9.02	32.15 3.18 -0.02	29.50 3.09 -0.02



HOLTSVILLE_IC_4 23693	26.28 1.25 -5.27	23.70 1.34 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.92 1.33 -1.33	22.73 1.57 -0.83	25.33 2.17 -0.29	28.89 1.47 -2.91	29.90 1.83 -1.47	31.55 2.28 -1.52	32.82 3.67 -0.03	38.02 3.98 -1.90	41.88 4.02 -5.44	53.04 3.56 -17.14	48.47 3.39 -6.95	51.35 3.47 -11.71	73.81 4.11 -29.02	100.48 4.23 -47.07	58.08 3.32 -15.73	50.92 2.38 -16.33	46.16 3.67 -10.31	43.97 3.69 -9.02	32.15 3.18 -0.02	29.50 3.09 -0.02
HOLTSVILLE_IC_5 23694	26.28 1.25 -5.27	23.70 1.34 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.92 1.33 -1.33	22.73 1.57 -0.83	25.33 2.17 -0.29	28.89 1.47 -2.91	29.90 1.83 -1.47	31.55 2.28 -1.52	32.82 3.67 -0.03	38.02 3.98 -1.90	41.88 4.02 -5.44	53.04 3.56 -17.14	48.47 3.39 -6.95	51.35 3.47 -11.71	73.81 4.11 -29.02	100.48 4.23 -47.07	58.08 3.32 -15.73	50.92 2.38 -16.33	46.16 3.67 -10.31	43.97 3.69 -9.02	32.15 3.18 -0.02	29.50 3.09 -0.02
HOLTSVILLE_IC_6 23695	26.42 1.38 -5.27	23.84 1.48 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.54 2.38 -0.29	29.06 1.64 -2.91	30.09 2.02 -1.47	31.75 2.47 -1.52	33.11 3.96 -0.03	38.38 4.28 -1.96	42.33 4.31 -5.59	54.21 3.94 -17.92	49.25 3.85 -7.27	51.96 3.91 -11.88	75.52 4.60 -30.25	103.55 4.82 -49.54	58.81 3.83 -15.94	51.68 2.77 -16.70	46.88 4.05 -10.65	44.56 4.03 -9.27	32.47 3.50 -0.02	29.76 3.35 -0.02
HOLTSVILLE_IC_7 23696	26.42 1.38 -5.27	23.84 1.48 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.54 2.38 -0.29	29.06 1.64 -2.91	30.09 2.02 -1.47	31.75 2.47 -1.52	33.11 3.96 -0.03	38.38 4.28 -1.96	42.33 4.31 -5.59	54.21 3.94 -17.92	49.25 3.85 -7.27	51.96 3.91 -11.88	75.52 4.60 -30.25	103.55 4.82 -49.54	58.81 3.83 -15.94	51.68 2.77 -16.70	46.88 4.05 -10.65	44.56 4.03 -9.27	32.47 3.50 -0.02	29.76 3.35 -0.02
HOLTSVILLE_IC_8 23697	26.42 1.38 -5.27	23.84 1.48 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.54 2.38 -0.29	29.06 1.64 -2.91	30.09 2.02 -1.47	31.75 2.47 -1.52	33.11 3.96 -0.03	38.38 4.28 -1.96	42.33 4.31 -5.59	54.21 3.94 -17.92	49.25 3.85 -7.27	51.96 3.91 -11.88	75.52 4.60 -30.25	103.55 4.82 -49.54	58.81 3.83 -15.94	51.68 2.77 -16.70	46.88 4.05 -10.65	44.56 4.03 -9.27	32.47 3.50 -0.02	29.76 3.35 -0.02
HOLTSVILLE_IC_9 23698	26.42 1.38 -5.27	23.84 1.48 -2.31	22.53 1.04 -1.40	21.30 1.04 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.54 2.38 -0.29	29.06 1.64 -2.91	30.09 2.02 -1.47	31.75 2.47 -1.52	33.11 3.96 -0.03	38.38 4.28 -1.96	42.33 4.31 -5.59	54.21 3.94 -17.92	49.25 3.85 -7.27	51.96 3.91 -11.88	75.52 4.60 -30.25	103.55 4.82 -49.54	58.81 3.83 -15.94	51.68 2.77 -16.70	46.88 4.05 -10.65	44.56 4.03 -9.27	32.47 3.50 -0.02	29.76 3.35 -0.02
HOMER_HL_115KV_TB2 355744	21.58 0.77 -1.04	21.19 0.68 -0.46	21.06 0.70 -0.28	19.89 0.41 -0.19	19.88 0.35 -0.26	21.25 0.75 -0.16	23.45 0.53 -0.06	25.21 0.12 -0.58	27.10 0.21 -0.29	27.92 -0.14 -0.30	29.44 0.32 0.00	32.72 0.58 0.00	34.39 1.49 -0.48	34.95 1.58 -1.03	39.81 1.56 -0.12	40.05 1.84 -2.04	44.70 2.40 -1.62	53.04 2.11 -1.75	43.99 2.50 -2.45	35.75 1.45 -2.09	34.48 1.51 -0.79	32.32 1.06 0.00	29.50 0.55 0.00	26.92 0.53 0.00
HOWARD_WT_PWR 323690	22.09 1.19 -1.14	21.69 1.14 -0.50	21.55 1.16 -0.30	20.37 0.87 -0.21	20.37 0.81 -0.29	21.74 1.22 -0.18	24.03 1.10 -0.06	25.95 0.81 -0.63	27.82 0.90 -0.32	29.27 0.91 -0.60	30.80 1.34 -0.33	34.58 1.99 -0.44	35.85 2.56 -0.86	36.38 2.52 -1.51	41.67 2.82 -0.72	42.05 3.22 -2.66	46.94 3.62 -2.64	55.94 3.79 -2.97	46.12 3.59 -3.49	37.61 2.58 -2.82	35.88 2.41 -1.29	33.87 2.25 -0.36	31.00 1.77 -0.29	28.08 1.48 -0.22
HQ_GEN_CEDARS 23644	19.49 -0.28 0.00	19.79 -0.26 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.02 -0.25 0.00	20.03 -0.31 0.00	22.54 -0.32 0.00	24.34 -0.17 0.00	26.39 -0.21 0.00	27.45 -0.31 0.00	28.69 -0.44 0.00	29.08 -1.12 1.94	28.92 -1.46 2.04	28.92 -1.55 1.87	28.88 -1.98 7.26	29.08 -2.31 4.77	28.76 -2.52 9.40	47.46 -1.72 0.00	36.62 -2.42 0.00	30.31 -1.90 0.00	30.28 -1.90 0.00	29.69 -1.56 0.00	28.43 -0.52 0.00	25.94 -0.45 0.00
HQ_GEN_CEDARS_PROXY 323590	19.49 -0.28 0.00	19.79 -0.26 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.02 -0.25 0.00	20.03 -0.30 0.00	22.54 -0.32 0.00	24.34 -0.17 0.00	26.39 -0.21 0.00	27.45 -0.30 0.00	27.99 -1.14 0.00	28.92 -1.29 1.94	28.92 -1.46 2.04	28.92 -1.55 1.87	28.92 -1.94 7.26	28.92 -2.32 4.94	28.92 -2.52 9.24	47.46 -1.72 0.00	36.58 -2.46 0.00	30.34 -1.87 0.00	30.31 -1.87 0.00	29.57 -1.69 0.00	28.43 -0.52 0.00	25.94 -0.45 0.00
HQ_GEN_IMPORT 323601	19.43 -0.34 0.00	19.71 -0.34 0.00	19.74 -0.34 0.00	18.98 -0.31 0.00	18.98 -0.29 0.00	19.99 -0.35 0.00	22.48 -0.39 0.00	24.24 -0.27 0.00	26.31 -0.29 0.00	27.37 -0.39 0.00	28.51 -0.61 0.00	31.34 -0.80 0.00	31.51 -0.91 0.00	31.40 -0.94 0.00	36.98 -1.14 0.00	34.34 -1.23 0.60	39.50 -1.34 -0.16	47.80 -1.38 0.00	37.75 -1.29 0.00	31.34 -0.87 0.00	31.34 -0.84 0.00	30.38 -0.87 0.00	28.40 -0.55 0.00	25.91 -0.47 0.00
HQ_GEN_WHEEL 23651	19.43 -0.34 0.00	19.71 -0.34 0.00	19.74 -0.34 0.00	18.98 -0.31 0.00	18.98 -0.29 0.00	19.99 -0.35 0.00	22.48 -0.39 0.00	24.24 -0.27 0.00	26.31 -0.29 0.00	27.37 -0.39 0.00	28.51 -0.61 0.00	31.34 -0.80 0.00	31.51 -0.91 0.00	31.40 -0.94 0.00	36.98 -1.14 0.00	34.34 -1.23 0.60	39.50 -1.34 -0.16	47.80 -1.38 0.00	37.75 -1.29 0.00	31.34 -0.87 0.00	31.34 -0.84 0.00	30.38 -0.87 0.00	28.40 -0.55 0.00	25.91 -0.47 0.00
HUDSON_AVE_GT_3 23810	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.83 2.67 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.68 3.91 -10.09	62.51 4.43 -8.90	54.88 3.36 -12.48	45.25 2.38 -10.66	38.71 2.51 -4.03	33.57 2.31 0.00	31.04 2.08 -0.01	28.31 1.93 0.00
HUDSON_AVE_GT_4 23540	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.83 2.67 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.68 3.91 -10.09	62.51 4.43 -8.90	54.88 3.36 -12.48	45.25 2.38 -10.66	38.71 2.51 -4.03	33.57 2.31 0.00	31.04 2.08 -0.01	28.31 1.93 0.00
HUDSON_AVE_GT_5 23657	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.83 2.67 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.68 3.91 -10.09	62.51 4.43 -8.90	54.88 3.36 -12.48	45.25 2.38 -10.66	38.71 2.51 -4.03	33.57 2.31 0.00	31.04 2.08 -0.01	28.31 1.93 0.00



HUDSON_AVE_10 24168	26.02 0.99 -5.27	23.36 1.00 -2.31	22.39 0.90 -1.40	21.19 0.93 -0.97	21.52 0.92 -1.33	22.18 1.02 -0.83	24.51 1.35 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.25 1.97 -1.52	31.42 2.30 0.00	34.73 2.57 -0.02	37.58 2.76 -2.41	40.15 2.62 -5.19	42.03 3.28 -0.63	48.69 3.44 -9.08	54.52 3.74 -10.09	62.31 4.23 -8.90	54.80 3.28 -12.48	45.15 2.29 -10.66	38.62 2.41 -4.03	33.48 2.22 0.00	30.98 2.03 -0.01	28.26 1.87 0.00
HUDSON___115KV_TB 4 355613	30.40 1.15 -9.49	25.39 1.18 -4.16	23.82 1.20 -2.53	22.20 1.16 -1.75	22.81 1.16 -2.39	23.02 1.20 -1.49	24.72 1.33 -0.53	31.12 1.37 -5.24	30.66 1.44 -2.63	31.93 1.44 -2.72	30.61 1.49 0.00	33.78 1.64 0.00	38.31 1.56 -4.34	43.37 1.68 -9.34	41.24 1.98 -1.13	45.64 1.99 -7.48	57.86 2.16 -15.02	67.47 2.46 -15.83	63.42 2.15 -22.23	52.86 1.67 -18.98	41.03 1.67 -7.18	32.88 1.63 0.00	30.57 1.62 0.00	27.84 1.45 0.00
HUNTER MOUNT___DRP 323613	29.66 1.23 -8.67	25.11 1.26 -3.80	23.68 1.29 -2.31	22.12 1.23 -1.60	22.68 1.23 -2.18	22.96 1.26 -1.36	24.74 1.39 -0.48	30.77 1.47 -4.78	30.54 1.54 -2.40	31.77 1.53 -2.49	30.73 1.60 0.00	33.81 1.67 0.00	37.74 1.36 -3.96	42.53 1.65 -8.53	41.02 1.87 -1.03	45.73 1.99 -7.57	56.64 2.07 -13.89	65.91 2.31 -14.42	61.44 2.15 -20.25	51.20 1.71 -17.29	40.38 1.67 -6.53	32.98 1.72 0.00	30.71 1.77 0.00	27.94 1.56 0.00
HUNTINGTON_RES_REC 323705	26.32 1.28 -5.27	23.68 1.32 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.89 1.29 -1.33	22.69 1.53 -0.83	25.26 2.10 -0.29	28.99 1.57 -2.91	30.01 1.94 -1.47	31.67 2.39 -1.52	32.74 3.61 -0.01	39.52 3.98 -3.39	40.89 3.99 -4.48	71.35 3.75 -35.26	46.71 3.51 -5.07	55.45 3.55 -15.73	102.59 4.19 -57.72	158.53 4.33 -105.03	63.17 3.36 -20.77	59.65 2.42 -25.03	45.88 3.83 -9.87	42.30 3.47 -7.57	32.15 3.18 -0.01	29.41 3.01 -0.01
HUNTLEY___63 23557	21.37 0.77 -0.83	21.05 0.64 -0.37	20.97 0.66 -0.22	19.75 0.31 -0.15	19.71 0.23 -0.21	21.14 0.67 -0.13	23.16 0.25 -0.05	24.73 -0.25 -0.46	26.70 -0.13 -0.23	27.94 -0.06 -0.24	29.56 0.44 0.00	32.98 0.84 0.00	34.52 1.72 -0.39	34.95 1.78 -0.83	40.40 2.17 -0.10	40.57 2.46 -1.94	45.06 3.05 -1.32	53.51 2.90 -1.42	43.93 2.89 -2.00	35.98 2.06 -1.71	34.55 1.74 -0.64	32.54 1.28 0.00	29.79 0.84 0.00	27.28 0.90 0.00
HUNTLEY___64 23558	21.37 0.77 -0.83	21.05 0.64 -0.37	20.97 0.66 -0.22	19.75 0.31 -0.15	19.71 0.23 -0.21	21.14 0.67 -0.13	23.16 0.25 -0.05	24.73 -0.25 -0.46	26.70 -0.13 -0.23	27.94 -0.06 -0.24	29.56 0.44 0.00	32.98 0.84 0.00	34.52 1.72 -0.39	34.95 1.78 -0.83	40.40 2.17 -0.10	40.57 2.46 -1.94	45.06 3.05 -1.32	53.51 2.90 -1.42	43.93 2.89 -2.00	35.98 2.06 -1.71	34.55 1.74 -0.64	32.54 1.28 0.00	29.79 0.84 0.00	27.28 0.90 0.00
HUNTLEY___65 23559	21.37 0.77 -0.83	21.05 0.64 -0.37	20.97 0.66 -0.22	19.75 0.31 -0.15	19.71 0.23 -0.21	21.14 0.67 -0.13	23.16 0.25 -0.05	24.73 -0.25 -0.46	26.70 -0.13 -0.23	27.94 -0.06 -0.24	29.56 0.44 0.00	32.98 0.84 0.00	34.52 1.72 -0.39	34.95 1.78 -0.83	40.40 2.17 -0.10	40.57 2.46 -1.94	45.06 3.05 -1.32	53.51 2.90 -1.42	43.93 2.89 -2.00	35.98 2.06 -1.71	34.55 1.74 -0.64	32.54 1.28 0.00	29.79 0.84 0.00	27.28 0.90 0.00
HUNTLEY___66 23560	21.37 0.77 -0.83	21.05 0.64 -0.37	20.97 0.66 -0.22	19.75 0.31 -0.15	19.71 0.23 -0.21	21.14 0.67 -0.13	23.16 0.25 -0.05	24.73 -0.25 -0.46	26.70 -0.13 -0.23	27.94 -0.06 -0.24	29.56 0.44 0.00	32.98 0.84 0.00	34.52 1.72 -0.39	34.95 1.78 -0.83	40.40 2.17 -0.10	40.57 2.46 -1.94	45.06 3.05 -1.32	53.51 2.90 -1.42	43.93 2.89 -2.00	35.98 2.06 -1.71	34.55 1.74 -0.64	32.54 1.28 0.00	29.79 0.84 0.00	27.28 0.90 0.00
HUNTLEY___67 23561	21.29 0.67 -0.85	20.96 0.54 -0.37	20.89 0.58 -0.23	19.68 0.23 -0.16	19.66 0.17 -0.21	21.04 0.57 -0.13	23.10 0.18 -0.05	24.64 -0.34 -0.47	26.57 -0.27 -0.24	27.78 -0.22 -0.25	29.36 0.23 0.00	32.69 0.55 0.00	34.24 1.43 -0.39	34.65 1.46 -0.85	40.06 1.83 -0.10	40.22 2.10 -1.95	44.64 2.60 -1.35	53.04 2.41 -1.45	43.62 2.54 -2.04	35.69 1.74 -1.74	34.25 1.42 -0.65	32.26 1.00 0.00	29.55 0.61 0.00	27.07 0.69 0.00
HUNTLEY___68 23562	21.29 0.67 -0.85	20.96 0.54 -0.37	20.89 0.58 -0.23	19.68 0.23 -0.16	19.66 0.17 -0.21	21.04 0.57 -0.13	23.10 0.18 -0.05	24.64 -0.34 -0.47	26.57 -0.27 -0.24	27.78 -0.22 -0.25	29.36 0.23 0.00	32.69 0.55 0.00	34.24 1.43 -0.39	34.65 1.46 -0.85	40.06 1.83 -0.10	40.22 2.10 -1.95	44.64 2.60 -1.35	53.04 2.41 -1.45	43.62 2.54 -2.04	35.69 1.74 -1.74	34.25 1.42 -0.65	32.26 1.00 0.00	29.55 0.61 0.00	27.07 0.69 0.00
HYLAND___LFGE 323620	22.29 1.60 -0.92	22.00 1.54 -0.40	21.85 1.53 -0.25	20.68 1.22 -0.17	20.70 1.20 -0.23	22.09 1.61 -0.14	24.29 1.37 -0.05	25.66 0.64 -0.51	27.26 0.40 -0.26	28.41 0.39 -0.27	29.76 0.64 0.00	31.92 -0.22 0.00	32.87 0.03 -0.42	33.67 0.42 -0.91	39.04 0.80 -0.11	39.31 1.16 -1.98	43.73 1.58 -1.46	52.77 2.02 -1.57	44.02 2.77 -2.21	36.87 2.77 -1.89	35.43 2.54 -0.71	33.76 2.50 0.00	31.49 2.55 0.00	28.52 2.14 0.00
INDECK___CORINTH 23802	37.26 1.34 -16.16	28.37 1.24 -7.08	25.69 1.30 -4.30	23.45 1.18 -2.98	24.49 1.16 -4.06	24.15 1.28 -2.53	25.09 1.33 -0.90	34.90 1.47 -8.91	32.86 1.78 -4.47	34.26 1.86 -4.64	31.34 2.21 0.00	34.71 2.57 0.00	42.59 2.79 -7.38	51.09 2.85 -15.90	43.05 3.01 -1.92	49.83 2.97 -10.69	69.43 3.50 -25.25	80.59 4.38 -27.03	80.48 3.47 -37.97	67.49 2.87 -32.41	47.16 2.73 -12.25	33.85 2.59 0.00	31.09 2.14 0.00	28.31 1.93 0.00
INDECK___ILION 23567	19.72 -0.04 0.00	20.01 -0.04 0.00	20.04 -0.04 0.00	19.25 -0.04 0.00	19.23 -0.04 0.00	20.32 -0.02 0.00	22.87 0.00 0.00	24.46 -0.05 0.00	26.57 -0.03 0.00	27.73 -0.03 0.00	29.12 0.00 0.00	32.34 0.19 0.00	32.65 0.23 0.00	32.41 0.06 0.00	38.20 0.08 0.00	37.90 0.00 -1.73	40.68 0.00 0.00	49.13 -0.05 0.00	39.08 0.04 0.00	32.18 -0.03 0.00	32.18 0.00 0.00	31.32 0.06 0.00	28.95 0.00 0.00	26.39 0.00 0.00
INDECK___OLEAN 23982	21.58 0.77 -1.04	21.19 0.68 -0.46	21.06 0.70 -0.28	19.89 0.41 -0.19	19.88 0.35 -0.26	21.27 0.77 -0.16	23.45 0.53 -0.06	25.21 0.12 -0.58	27.10 0.21 -0.29	27.89 -0.17 -0.30	29.42 0.29 0.00	32.91 0.77 0.00	34.23 1.33 -0.48	34.83 1.46 -1.03	39.62 1.37 -0.12	39.98 1.77 -2.04	44.54 2.24 -1.62	52.90 1.97 -1.75	43.76 2.26 -2.45	35.59 1.29 -2.10	34.35 1.38 -0.79	32.44 1.19 0.00	29.44 0.49 0.00	26.78 0.40 0.00
INDECK___OSWEGO 23783	19.55 -0.22 0.00	19.81 -0.24 0.00	19.84 -0.24 0.00	19.00 -0.29 0.00	18.98 -0.29 0.00	20.09 -0.24 0.00	22.54 -0.32 0.00	24.07 -0.44 0.00	26.12 -0.48 0.00	30.00 -0.50 -2.74	32.16 -0.41 -3.44	36.39 -0.29 -4.54	36.74 -0.16 -4.48	37.29 -0.13 -5.08	45.68 -0.15 -7.70	45.17 -0.04 -9.03	49.16 -0.08 -8.56	59.57 -0.20 -10.59	46.82 0.00 -7.78	37.07 -0.13 -4.99	36.21 -0.19 -4.22	34.88 -0.12 -3.75	31.59 -0.32 -2.96	28.30 -0.34 -2.26



INDECK___YERKES 23781	21.37 0.77 -0.83	21.05 0.64 -0.37	20.97 0.66 -0.22	19.73 0.29 -0.15	19.71 0.23 -0.21	21.16 0.69 -0.13	23.16 0.25 -0.05	24.73 -0.25 -0.46	26.67 -0.16 -0.23	27.92 -0.08 -0.24	29.33 0.21 0.00	32.98 0.83 0.00	34.33 1.52 -0.38	34.81 1.65 -0.82	40.09 1.87 -0.10	40.49 2.39 -1.93	44.89 2.89 -1.32	53.41 2.80 -1.42	43.70 2.66 -2.00	35.78 1.87 -1.71	34.40 1.58 -0.65	32.66 1.41 0.00	29.73 0.78 0.00	27.15 0.77 0.00
INDIAN POINT_GT_1 24139	25.87 0.89 -5.21	23.25 0.92 -2.28	22.32 0.84 -1.39	21.14 0.89 -0.96	21.45 0.87 -1.31	22.11 0.96 -0.82	24.39 1.23 -0.29	28.54 1.15 -2.88	29.35 1.30 -1.45	30.93 1.67 -1.50	31.13 2.01 0.00	34.39 2.25 0.00	37.30 2.50 -2.38	39.90 2.43 -5.13	41.72 2.97 -0.62	48.33 3.15 -9.01	54.14 3.46 -10.00	61.81 3.84 -8.80	54.36 2.97 -12.36	44.82 2.06 -10.55	38.35 2.19 -3.99	33.23 1.97 0.00	30.65 1.71 0.00	28.00 1.61 0.00
INDIAN POINT_GT_2 23659	25.87 0.89 -5.21	23.25 0.92 -2.28	22.32 0.84 -1.39	21.14 0.89 -0.96	21.45 0.87 -1.31	22.11 0.96 -0.82	24.39 1.23 -0.29	28.54 1.15 -2.88	29.35 1.30 -1.45	30.93 1.67 -1.50	31.13 2.01 0.00	34.39 2.25 0.00	37.30 2.50 -2.38	39.90 2.43 -5.13	41.72 2.97 -0.62	48.33 3.15 -9.01	54.14 3.46 -10.00	61.81 3.84 -8.80	54.36 2.97 -12.36	44.82 2.06 -10.55	38.35 2.19 -3.99	33.23 1.97 0.00	30.65 1.71 0.00	28.00 1.61 0.00
INDIAN POINT_GT_3 24019	25.87 0.89 -5.21	23.25 0.92 -2.28	22.32 0.84 -1.39	21.14 0.89 -0.96	21.45 0.87 -1.31	22.11 0.96 -0.82	24.39 1.23 -0.29	28.54 1.15 -2.88	29.35 1.30 -1.45	30.93 1.67 -1.50	31.13 2.01 0.00	34.39 2.25 0.00	37.30 2.50 -2.38	39.90 2.43 -5.13	41.72 2.97 -0.62	48.33 3.15 -9.01	54.14 3.46 -10.00	61.81 3.84 -8.80	54.36 2.97 -12.36	44.82 2.06 -10.55	38.35 2.19 -3.99	33.23 1.97 0.00	30.65 1.71 0.00	28.00 1.61 0.00
INDIAN POINT___2 23530	25.77 0.87 -5.14	23.18 0.88 -2.25	22.28 0.82 -1.37	21.09 0.85 -0.95	21.41 0.85 -1.29	22.06 0.92 -0.81	24.36 1.21 -0.29	28.48 1.13 -2.84	29.28 1.25 -1.43	30.85 1.61 -1.48	31.31 2.19 0.00	34.62 2.48 0.00	37.26 2.50 -2.35	39.79 2.39 -5.06	41.75 3.01 -0.61	48.10 3.00 -8.93	53.93 3.37 -9.87	61.49 3.69 -8.62	54.16 3.01 -12.11	44.64 2.09 -10.34	38.24 2.16 -3.91	33.29 2.03 0.00	30.60 1.65 0.00	27.97 1.58 0.00
INDIAN POINT___3 23531	25.87 0.89 -5.22	23.24 0.90 -2.29	22.32 0.84 -1.39	21.12 0.87 -0.96	21.45 0.87 -1.31	22.09 0.94 -0.82	24.37 1.21 -0.29	28.52 1.13 -2.88	29.30 1.25 -1.45	30.87 1.61 -1.50	31.05 1.92 0.00	34.30 2.15 0.00	37.17 2.37 -2.38	39.77 2.30 -5.13	41.61 2.86 -0.62	48.15 2.97 -9.01	53.98 3.30 -10.01	61.57 3.59 -8.80	54.21 2.81 -12.36	44.66 1.90 -10.55	38.19 2.03 -3.99	33.10 1.84 0.00	30.57 1.62 0.00	27.92 1.53 0.00
INGHAM_C_115KV_TB7 356103	19.45 -0.32 0.00	19.77 -0.28 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.00 -0.27 0.00	20.09 -0.24 0.00	22.64 -0.23 0.00	24.19 -0.32 0.00	26.28 -0.32 0.00	27.43 -0.33 0.00	28.77 -0.35 0.00	32.08 -0.06 0.00	32.39 -0.03 0.00	31.95 -0.39 0.00	37.71 -0.42 0.00	37.36 -0.54 -1.73	40.03 -0.65 0.00	48.39 -0.79 0.00	38.49 -0.55 0.00	31.76 -0.45 0.00	31.69 -0.48 0.00	30.94 -0.31 0.00	28.60 -0.35 0.00	26.07 -0.32 0.00
IP CORINTH___1 23988	37.38 1.46 -16.16	28.47 1.34 -7.08	25.79 1.41 -4.30	23.54 1.27 -2.98	24.60 1.27 -4.06	24.25 1.38 -2.53	25.23 1.46 -0.90	35.04 1.62 -8.91	33.02 1.94 -4.47	34.42 2.03 -4.64	31.40 2.27 0.00	34.75 2.60 0.00	42.82 3.02 -7.38	51.32 3.07 -15.90	43.36 3.32 -1.92	50.05 3.18 -10.70	69.64 3.70 -25.25	80.88 4.67 -27.03	80.68 3.67 -37.97	67.68 3.06 -32.41	47.36 2.93 -12.25	33.91 2.66 0.00	31.26 2.32 0.00	28.45 2.06 0.00
IP___TICONDEROGA 23804	38.64 2.83 -16.05	29.65 2.57 -7.03	27.05 2.69 -4.28	24.68 2.43 -2.96	25.70 2.39 -4.04	25.58 2.73 -2.51	26.55 2.79 -0.89	36.63 3.26 -8.86	34.98 3.94 -4.44	36.39 4.03 -4.60	33.75 4.63 0.00	37.67 5.53 0.00	45.91 6.16 -7.33	54.45 6.31 -15.80	47.05 7.02 -1.90	53.58 6.76 -10.65	73.43 7.65 -25.10	85.43 9.39 -26.86	84.22 7.46 -37.72	70.66 6.25 -32.20	50.27 5.92 -12.17	36.66 5.41 0.00	33.64 4.69 0.00	30.42 4.04 0.00
ISLIP_RES_REC 323679	26.50 1.46 -5.27	23.92 1.56 -2.31	22.61 1.12 -1.40	21.38 1.12 -0.97	22.14 1.54 -1.33	22.99 1.83 -0.83	25.65 2.49 -0.29	29.21 1.79 -2.91	30.27 2.21 -1.47	31.94 2.67 -1.52	33.35 4.19 -0.03	38.52 4.50 -1.87	42.76 4.54 -5.80	53.33 4.20 -16.79	50.02 4.19 -7.70	52.07 4.27 -11.63	74.13 5.00 -28.45	100.40 5.31 -45.91	58.85 4.18 -15.63	51.42 3.06 -16.15	47.43 4.31 -10.94	45.13 4.28 -9.59	32.68 3.71 -0.03	29.92 3.51 -0.03
JAMAICA___27_KV_LOAD 355505	26.04 1.01 -5.27	23.38 1.02 -2.31	22.41 0.92 -1.40	21.21 0.95 -0.97	21.52 0.92 -1.33	22.22 1.06 -0.83	24.60 1.44 -0.29	28.89 1.47 -2.91	29.79 1.73 -1.46	31.47 2.19 -1.52	31.48 2.36 0.00	34.89 2.73 -0.02	37.75 2.92 -2.41	40.25 2.72 -5.19	42.18 3.43 -0.63	48.80 3.54 -9.08	54.68 3.91 -10.09	62.41 4.33 -8.90	55.04 3.51 -12.48	45.38 2.51 -10.66	38.84 2.64 -4.03	33.63 2.38 0.00	31.21 2.26 -0.01	28.45 2.06 0.00
JANIS___SOLAR 323808	22.55 1.23 -1.56	21.97 1.24 -0.68	21.76 1.27 -0.41	20.68 1.10 -0.29	20.68 1.02 -0.39	21.92 1.34 -0.24	24.44 1.49 -0.09	26.77 1.40 -0.86	28.36 1.33 -0.43	30.09 1.30 -1.03	31.34 1.48 -0.73	35.25 2.15 -0.96	36.26 2.21 -1.63	37.15 2.23 -2.57	42.60 2.71 -1.76	42.56 2.57 -3.82	48.06 2.80 -4.57	57.89 3.49 -5.21	48.19 3.32 -5.83	39.41 2.58 -4.63	36.93 2.51 -2.24	34.74 2.69 -0.79	31.66 2.09 -0.62	28.61 1.74 -0.48
JARVIS____ 23743	19.84 0.08 0.00	20.11 0.06 0.00	20.14 0.06 0.00	19.37 0.08 0.00	19.33 0.06 0.00	20.42 0.08 0.00	22.96 0.09 0.00	24.56 0.05 0.00	26.65 0.05 0.00	27.84 0.08 0.00	29.27 0.15 0.00	32.37 0.23 0.00	32.68 0.26 0.00	32.54 0.20 0.00	38.40 0.27 0.00	38.12 0.22 -1.73	40.93 0.25 0.00	49.43 0.25 0.00	39.32 0.28 0.00	32.37 0.16 0.00	32.34 0.16 0.00	31.45 0.19 0.00	29.06 0.12 0.00	26.49 0.11 0.00
JENNISON___1 23625	23.31 1.44 -2.10	22.41 1.44 -0.92	22.11 1.47 -0.56	21.01 1.33 -0.39	21.01 1.21 -0.53	22.19 1.53 -0.33	24.77 1.78 -0.12	27.41 1.74 -1.16	28.94 1.76 -0.59	30.69 1.89 -1.04	31.76 2.10 -0.54	35.75 2.89 -0.72	37.18 3.11 -1.65	38.24 3.04 -2.85	43.34 3.77 -1.43	43.15 3.29 -3.68	49.19 3.21 -5.30	58.93 3.84 -5.91	49.72 3.44 -7.24	40.72 2.58 -5.93	37.31 2.54 -2.59	34.57 2.75 -0.56	31.65 2.26 -0.44	28.68 1.95 -0.34
JENNISON___2 23626	23.31 1.44 -2.10	22.41 1.44 -0.92	22.11 1.47 -0.56	21.01 1.33 -0.39	21.01 1.21 -0.53	22.19 1.53 -0.33	24.77 1.78 -0.12	27.41 1.74 -1.16	28.94 1.76 -0.59	30.69 1.89 -1.04	31.76 2.10 -0.54	35.75 2.89 -0.72	37.18 3.11 -1.65	38.24 3.04 -2.85	43.34 3.77 -1.43	43.15 3.29 -3.68	49.19 3.21 -5.30	58.93 3.84 -5.91	49.72 3.44 -7.24	40.72 2.58 -5.93	37.31 2.54 -2.59	34.57 2.75 -0.56	31.65 2.26 -0.44	28.68 1.95 -0.34



JERICO_RISE_WT_PWR 323719	19.82 0.06 0.00	20.09 0.04 0.00	20.12 0.04 0.00	19.33 0.04 0.00	19.33 0.06 0.00	20.38 0.04 0.00	22.93 0.07 0.00	24.86 0.34 0.00	27.00 0.40 0.00	28.06 0.31 0.00	29.12 0.00 0.00	32.08 -0.06 0.00	32.23 -0.19 0.00	32.08 -0.26 0.00	37.56 -0.57 0.00	34.51 -1.05 0.61	39.67 -1.02 0.00	48.49 -0.69 0.00	38.14 -0.90 0.00	31.63 -0.58 0.00	31.60 -0.58 0.00	30.73 -0.53 0.00	28.80 -0.14 0.00	26.15 -0.24 0.00
KATONAH__115KV_46KV_TB4 355592	26.16 1.05 -5.35	23.45 1.06 -2.34	22.49 0.98 -1.42	21.30 1.02 -0.99	21.60 0.98 -1.34	22.25 1.08 -0.84	24.56 1.39 -0.30	28.81 1.35 -2.95	29.58 1.49 -1.49	31.27 1.97 -1.54	31.48 2.36 0.00	34.81 2.67 0.00	37.94 3.08 -2.44	40.68 3.07 -5.26	42.38 3.62 -0.63	49.17 3.87 -9.13	55.20 4.31 -10.21	63.06 4.87 -9.01	55.45 3.75 -12.66	45.69 2.67 -10.81	39.03 2.77 -4.08	33.69 2.44 0.00	30.97 2.03 0.00	28.26 1.87 0.00
KCE_NY_1 323755	37.13 1.46 -15.90	28.40 1.38 -6.97	25.75 1.43 -4.24	23.55 1.33 -2.93	24.60 1.33 -4.00	24.25 1.42 -2.49	25.26 1.51 -0.89	34.91 1.62 -8.78	32.88 1.89 -4.39	34.28 1.97 -4.55	31.31 2.19 0.00	34.65 2.51 0.00	42.37 2.69 -7.26	50.68 2.68 -15.65	43.07 3.05 -1.89	49.72 2.97 -10.58	68.97 3.42 -24.87	79.87 4.08 -26.61	79.70 3.28 -37.38	66.79 2.67 -31.91	46.88 2.64 -12.06	33.79 2.53 0.00	31.12 2.17 0.00	28.37 1.98 0.00
KCE_NY_6_ESR 323823	21.57 0.91 -0.89	21.24 0.80 -0.39	21.14 0.82 -0.24	19.92 0.46 -0.16	19.90 0.41 -0.22	21.33 0.85 -0.14	23.40 0.48 -0.05	25.03 0.02 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.53 0.41 0.00	33.24 1.09 0.00	34.61 1.78 -0.41	35.10 1.88 -0.88	40.41 2.17 -0.11	40.81 2.68 -1.96	45.27 3.18 -1.42	53.81 3.10 -1.53	44.19 3.01 -2.14	36.10 2.06 -1.83	34.64 1.77 -0.69	32.82 1.56 0.00	29.90 0.95 0.00	27.26 0.87 0.00
KEDC_PORT_JEFF_GT2 24210	26.38 1.34 -5.27	23.80 1.44 -2.31	22.49 1.00 -1.40	21.26 1.00 -0.97	22.02 1.43 -1.33	22.85 1.69 -0.83	25.47 2.31 -0.29	29.01 1.59 -2.91	30.03 1.97 -1.47	31.69 2.41 -1.52	33.03 3.87 -0.03	38.44 4.21 -2.09	42.08 4.25 -5.42	55.52 3.72 -19.46	48.67 3.62 -6.92	51.94 3.55 -12.22	77.44 4.07 -32.69	107.84 4.18 -54.48	58.69 3.28 -16.37	52.16 2.51 -17.44	46.48 3.86 -10.44	44.10 3.84 -9.00	32.33 3.36 -0.02	29.63 3.22 -0.02
KEDC_PORT_JEFF_GT3 24211	26.38 1.34 -5.27	23.80 1.44 -2.31	22.49 1.00 -1.40	21.26 1.00 -0.97	22.02 1.43 -1.33	22.85 1.69 -0.83	25.47 2.31 -0.29	29.01 1.59 -2.91	30.03 1.97 -1.47	31.69 2.41 -1.52	33.03 3.87 -0.03	38.44 4.21 -2.09	42.08 4.25 -5.42	55.52 3.72 -19.46	48.67 3.62 -6.92	51.94 3.55 -12.22	77.44 4.07 -32.69	107.84 4.18 -54.48	58.69 3.28 -16.37	52.16 2.51 -17.44	46.48 3.86 -10.44	44.10 3.84 -9.00	32.33 3.36 -0.02	29.63 3.22 -0.02
KEDC_GLWD_GT4 24219	26.18 1.15 -5.27	23.50 1.14 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.69 1.10 -1.33	22.40 1.24 -0.83	24.81 1.65 -0.29	28.87 1.45 -2.91	29.74 1.68 -1.47	31.39 2.11 -1.52	32.03 2.88 -0.02	36.13 3.06 -0.93	37.99 3.14 -2.43	40.51 2.94 -5.22	42.07 3.32 -0.62	48.60 3.36 -9.06	54.68 3.91 -10.10	62.13 4.13 -8.82	54.73 3.28 -12.41	45.09 2.29 -10.59	39.05 2.83 -4.04	38.07 2.59 -4.22	31.34 2.37 -0.02	28.68 2.27 -0.02
KEDC_GLWD_GT5 24220	26.18 1.15 -5.27	23.50 1.14 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.69 1.10 -1.33	22.40 1.24 -0.83	24.81 1.65 -0.29	28.87 1.45 -2.91	29.74 1.68 -1.47	31.39 2.11 -1.52	32.03 2.88 -0.02	36.13 3.06 -0.93	37.99 3.14 -2.43	40.51 2.94 -5.22	42.07 3.32 -0.62	48.60 3.36 -9.06	54.68 3.91 -10.10	62.13 4.13 -8.82	54.73 3.28 -12.41	45.09 2.29 -10.59	39.05 2.83 -4.04	38.07 2.59 -4.22	31.34 2.37 -0.02	28.68 2.27 -0.02
KENSICO____ 23655	25.99 0.97 -5.26	23.35 1.00 -2.30	22.41 0.92 -1.40	21.20 0.95 -0.97	21.54 0.94 -1.32	22.18 1.02 -0.82	24.48 1.33 -0.29	28.69 1.27 -2.90	29.47 1.41 -1.46	31.08 1.80 -1.52	31.25 2.13 0.00	34.52 2.38 0.00	37.45 2.63 -2.40	40.07 2.56 -5.18	41.88 3.13 -0.62	48.52 3.29 -9.05	54.38 3.62 -10.08	62.08 4.03 -8.87	54.62 3.12 -12.46	45.03 2.19 -10.63	38.51 2.32 -4.02	33.35 2.09 0.00	30.77 1.82 0.00	28.10 1.72 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	26.65 1.03 -5.86	23.68 1.06 -2.57	22.59 0.94 -1.56	21.33 0.96 -1.08	21.71 0.96 -1.47	22.27 1.02 -0.92	24.61 1.42 -0.33	29.09 1.35 -3.23	29.69 1.46 -1.63	31.31 1.86 -1.69	31.45 2.33 0.00	35.00 2.86 0.00	38.08 2.98 -2.68	40.92 2.81 -5.77	42.25 3.43 -0.70	48.41 3.54 -8.69	53.81 3.78 -9.34	61.63 3.59 -8.86	54.57 3.08 -12.45	44.83 2.00 -10.63	38.25 2.06 -4.02	33.26 2.00 0.00	30.63 1.68 0.00	27.92 1.53 0.00
KIAC_JFK_GT1 23816	25.96 0.93 -5.27	23.28 0.92 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.12 0.96 -0.83	24.48 1.33 -0.29	28.77 1.35 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.34 2.21 0.00	34.67 2.51 -0.02	37.55 2.72 -2.41	39.95 2.43 -5.19	41.84 3.09 -0.63	48.43 3.18 -9.08	54.27 3.50 -10.09	61.87 3.79 -8.90	54.65 3.12 -12.48	45.05 2.19 -10.66	38.52 2.32 -4.03	33.32 2.06 0.00	31.04 2.08 -0.01	28.29 1.90 0.00
KIAC_JFK_GT2 23817	25.96 0.93 -5.27	23.28 0.92 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.12 0.96 -0.83	24.48 1.33 -0.29	28.77 1.35 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.34 2.21 0.00	34.67 2.51 -0.02	37.55 2.72 -2.41	39.95 2.43 -5.19	41.84 3.09 -0.63	48.43 3.18 -9.08	54.27 3.50 -10.09	61.87 3.79 -8.90	54.65 3.12 -12.48	45.05 2.19 -10.66	38.52 2.32 -4.03	33.32 2.06 0.00	31.04 2.08 -0.01	28.29 1.90 0.00
KIAC_JFK____ 323774	25.96 0.93 -5.27	23.28 0.92 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.12 0.96 -0.83	24.48 1.33 -0.29	28.79 1.37 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.46 2.33 0.00	34.83 2.67 -0.02	37.65 2.82 -2.41	40.08 2.55 -5.19	41.76 3.01 -0.63	48.32 3.07 -9.08	54.15 3.37 -10.09	61.87 3.84 -8.85	54.73 3.28 -12.41	44.96 2.16 -10.59	38.66 2.48 -4.00	33.57 2.31 0.00	30.89 1.94 -0.01	28.34 1.95 0.00
KINTIGH____ 23543	20.93 0.45 -0.71	20.70 0.34 -0.31	20.63 0.36 -0.19	19.50 0.08 -0.13	19.49 0.04 -0.18	20.84 0.39 -0.11	22.93 0.02 -0.04	24.51 -0.39 -0.39	26.43 -0.37 -0.20	27.74 -0.22 -0.21	29.30 0.17 0.00	32.56 0.42 0.00	33.89 1.13 -0.33	34.22 1.16 -0.71	39.70 1.49 -0.09	39.72 1.66 -1.88	43.97 2.16 -1.13	52.32 1.92 -1.22	42.82 2.07 -1.71	35.15 1.48 -1.46	33.89 1.16 -0.55	32.10 0.84 0.00	29.44 0.49 0.00	26.94 0.55 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	20.10 0.34 0.00	20.39 0.34 0.00	20.40 0.32 0.00	19.56 0.27 0.00	19.60 0.33 0.00	20.66 0.33 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.37 0.77 0.00	28.45 0.69 0.00	29.82 0.70 0.00	32.82 0.67 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.24 0.11 0.00	35.01 -0.51 0.65	40.40 -0.28 0.00	49.33 0.15 0.00	38.88 -0.16 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.38 0.13 0.00	29.27 0.32 0.00	26.55 0.16 0.00



LACHUTE___HYDRO 323717	38.64 2.83 -16.05	29.65 2.57 -7.03	27.05 2.69 -4.28	24.66 2.41 -2.96	25.69 2.39 -4.04	25.58 2.73 -2.51	26.55 2.79 -0.89	36.63 3.26 -8.86	34.98 3.94 -4.44	36.36 4.00 -4.60	33.90 4.78 0.00	37.83 5.69 0.00	45.88 6.13 -7.33	54.38 6.24 -15.80	46.89 6.86 -1.90	53.54 6.73 -10.65	73.42 7.65 -25.10	85.43 9.40 -26.86	84.22 7.46 -37.72	70.63 6.22 -32.20	50.27 5.92 -12.17	36.79 5.53 0.00	33.64 4.69 0.00	30.42 4.04 0.00
LAWRNCV_115KV_TB1 80681	19.59 -0.18 0.00	19.87 -0.18 0.00	19.90 -0.18 0.00	19.10 -0.19 0.00	19.08 -0.19 0.00	20.13 -0.20 0.00	22.71 -0.16 0.00	24.49 -0.02 0.00	26.55 -0.05 0.00	27.79 -0.17 -0.20	29.08 -0.29 -0.25	29.79 -0.74 1.61	29.50 -1.20 1.72	29.29 -1.55 1.50	29.51 -1.91 6.71	29.75 -2.57 3.85	28.97 -2.93 8.78	47.58 -2.36 -0.76	36.84 -2.69 -0.49	30.40 -2.13 -0.32	30.32 -2.12 -0.27	29.90 -1.59 -0.24	28.67 -0.46 -0.19	26.14 -0.40 -0.14
LEDERLE___ 23769	25.71 0.89 -5.06	23.19 0.92 -2.22	22.27 0.84 -1.35	21.11 0.89 -0.93	21.43 0.89 -1.27	22.09 0.96 -0.79	24.38 1.23 -0.28	28.46 1.15 -2.79	29.26 1.25 -1.41	30.83 1.61 -1.46	31.10 1.98 0.00	34.39 2.25 0.00	37.20 2.46 -2.31	39.72 2.39 -4.98	41.66 2.94 -0.60	48.05 3.04 -8.85	53.88 3.46 -9.74	61.37 3.64 -8.55	53.98 2.93 -12.01	44.39 1.93 -10.25	38.11 2.06 -3.87	33.13 1.88 0.00	30.57 1.62 0.00	27.94 1.56 0.00
LIGHTHSE_115KV_TB6 355974	19.92 0.16 0.00	20.21 0.16 0.00	20.22 0.14 0.00	19.37 0.08 0.00	19.31 0.04 0.00	20.50 0.16 0.00	23.00 0.14 0.00	24.56 0.05 0.00	26.57 -0.03 0.00	29.25 0.00 -1.49	31.02 0.03 -1.87	34.83 0.22 -2.46	35.28 0.42 -2.44	35.53 0.42 -2.76	42.85 0.53 -4.19	42.10 0.43 -5.50	45.73 0.41 -4.65	55.42 0.49 -5.75	43.80 0.55 -4.21	35.29 0.39 -2.70	34.75 0.29 -2.29	33.82 0.53 -2.03	30.90 0.35 -1.60	27.85 0.24 -1.22
LINDEN COGEN___ 23786	25.94 0.91 -5.27	23.26 0.90 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.08 0.92 -0.83	24.39 1.23 -0.29	28.64 1.23 -2.91	29.47 1.41 -1.46	31.11 1.83 -1.52	31.60 2.47 0.00	34.92 2.76 -0.02	36.87 2.79 -1.66	38.06 2.65 -3.06	40.74 3.32 0.70	46.90 3.33 -7.40	54.52 3.78 -10.06	61.57 4.13 -8.26	50.83 3.36 -8.43	42.74 2.38 -8.15	36.92 2.44 -2.30	33.57 2.31 0.00	30.86 1.91 -0.01	28.21 1.82 0.00
LINDHRST_69_KV_BK1 356055	26.36 1.32 -5.27	23.76 1.40 -2.31	22.53 1.04 -1.40	21.36 1.10 -0.97	21.92 1.33 -1.33	22.71 1.55 -0.83	25.28 2.13 -0.29	29.06 1.64 -2.91	30.03 1.97 -1.47	31.72 2.44 -1.52	32.41 3.26 -0.02	36.77 3.60 -1.03	40.12 3.99 -3.71	42.32 3.69 -6.29	45.35 3.93 -3.29	49.27 3.80 -9.30	56.75 4.31 -11.76	65.88 4.48 -12.23	55.45 3.63 -12.78	45.75 2.38 -11.16	42.33 3.70 -6.46	40.98 3.47 -6.25	32.13 3.16 -0.02	29.34 2.93 -0.03
LIPA_MISC_IPP 23656	26.26 1.23 -5.27	23.80 1.44 -2.31	22.37 0.88 -1.40	21.25 0.98 -0.97	21.98 1.39 -1.33	22.85 1.69 -0.83	25.49 2.33 -0.29	28.82 1.40 -2.91	29.82 1.76 -1.47	31.44 2.17 -1.52	32.82 3.67 -0.03	37.94 3.89 -1.91	42.07 4.18 -5.47	53.57 3.95 -17.29	49.25 4.12 -7.01	51.75 3.83 -11.74	74.42 4.47 -29.26	101.51 4.72 -47.61	58.75 3.87 -15.84	51.25 2.58 -16.46	46.56 3.99 -10.40	44.11 3.78 -9.07	32.47 3.50 -0.02	29.66 3.25 -0.02
LISF___SOLAR 323691	26.28 1.25 -5.27	23.76 1.40 -2.31	22.39 0.90 -1.40	21.15 0.89 -0.97	22.00 1.41 -1.33	22.87 1.71 -0.83	25.54 2.38 -0.29	28.84 1.42 -2.91	29.85 1.78 -1.47	31.47 2.19 -1.52	33.11 3.96 -0.03	38.34 4.28 -1.92	42.16 4.25 -5.49	53.69 3.91 -17.43	49.04 3.85 -7.06	51.89 3.94 -11.77	74.81 4.64 -29.49	102.06 4.87 -48.01	58.75 3.90 -15.81	51.48 2.80 -16.47	46.70 4.09 -10.43	44.40 4.03 -9.11	32.50 3.53 -0.02	29.76 3.35 -0.02
LITTLE FALLS___HYD 24013	19.45 -0.32 0.00	19.77 -0.28 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.00 -0.27 0.00	20.09 -0.24 0.00	22.64 -0.23 0.00	24.19 -0.32 0.00	26.28 -0.32 0.00	27.43 -0.33 0.00	28.77 -0.35 0.00	32.08 -0.06 0.00	32.39 -0.03 0.00	31.95 -0.39 0.00	37.71 -0.42 0.00	37.36 -0.54 -1.73	40.03 -0.65 0.00	48.39 -0.79 0.00	38.49 -0.55 0.00	31.76 -0.45 0.00	31.69 -0.48 0.00	30.94 -0.31 0.00	28.60 -0.35 0.00	26.07 -0.32 0.00
LITTLRIV_115KV_TB1 356100	19.70 -0.06 0.00	20.01 -0.04 0.00	20.04 -0.04 0.00	19.21 -0.08 0.00	19.17 -0.10 0.00	20.30 -0.04 0.00	22.89 0.02 0.00	24.68 0.17 0.00	26.73 0.13 0.00	28.03 0.06 -0.22	29.31 -0.09 -0.27	32.08 -0.42 -0.36	31.87 -0.91 -0.36	31.45 -1.29 -0.40	37.14 -1.60 -0.61	34.22 -2.39 -0.43	38.63 -2.73 -0.68	47.95 -2.07 -0.84	37.19 -2.38 -0.53	30.71 -1.84 -0.34	30.60 -1.87 -0.29	30.26 -1.25 -0.26	28.95 -0.20 -0.20	26.38 -0.16 -0.15
LI_NEWBRDGE___DRP 323616	26.04 1.01 -5.27	23.40 1.04 -2.31	22.25 0.76 -1.40	21.07 0.81 -0.97	21.58 0.98 -1.33	22.32 1.16 -0.83	24.80 1.65 -0.29	28.67 1.25 -2.91	29.56 1.49 -1.47	31.22 1.94 -1.52	31.68 2.53 -0.02	35.86 2.80 -0.92	38.02 3.18 -2.43	40.46 2.94 -5.17	41.80 3.05 -0.63	48.31 3.07 -9.07	54.23 3.46 -10.10	61.57 3.49 -8.90	54.34 2.81 -12.49	44.61 1.74 -10.66	39.03 2.80 -4.05	38.01 2.53 -4.22	31.31 2.34 -0.02	28.65 2.24 -0.02
LOCKPORT_115KV_TB60_63_64 80432	21.25 0.69 -0.80	20.96 0.56 -0.35	20.88 0.58 -0.21	19.67 0.23 -0.15	19.64 0.17 -0.20	21.05 0.59 -0.13	23.09 0.18 -0.04	24.59 -0.37 -0.44	26.53 -0.29 -0.22	27.79 -0.19 -0.23	29.39 0.26 0.00	32.79 0.64 0.00	34.28 1.49 -0.37	34.66 1.52 -0.80	40.13 1.91 -0.10	40.26 2.17 -1.92	44.67 2.73 -1.27	53.10 2.56 -1.36	43.61 2.65 -1.92	35.74 1.90 -1.64	34.36 1.58 -0.61	32.41 1.16 0.00	29.70 0.75 0.00	27.21 0.82 0.00
LOCKPORT___CC1 323769	21.26 0.69 -0.80	20.96 0.56 -0.35	20.88 0.58 -0.21	19.67 0.23 -0.15	19.64 0.17 -0.20	21.07 0.61 -0.13	23.09 0.18 -0.04	24.59 -0.37 -0.44	26.51 -0.32 -0.22	27.74 -0.25 -0.23	29.12 0.00 0.00	32.75 0.61 0.00	34.05 1.26 -0.37	34.49 1.36 -0.79	39.75 1.53 -0.10	40.19 2.10 -1.92	44.44 2.48 -1.28	52.92 2.36 -1.37	43.35 2.38 -1.93	35.53 1.67 -1.65	34.18 1.38 -0.62	32.47 1.22 0.00	29.64 0.69 0.00	27.05 0.66 0.00
LOCKPORT___CC2 323770	21.26 0.69 -0.80	20.96 0.56 -0.35	20.88 0.58 -0.21	19.67 0.23 -0.15	19.64 0.17 -0.20	21.07 0.61 -0.13	23.09 0.18 -0.04	24.59 -0.37 -0.44	26.51 -0.32 -0.22	27.74 -0.25 -0.23	29.12 0.00 0.00	32.75 0.61 0.00	34.05 1.26 -0.37	34.49 1.36 -0.79	39.75 1.53 -0.10	40.19 2.10 -1.92	44.44 2.48 -1.28	52.92 2.36 -1.37	43.35 2.38 -1.93	35.53 1.67 -1.65	34.18 1.38 -0.62	32.47 1.22 0.00	29.64 0.69 0.00	27.05 0.66 0.00
LOCKPORT___CC3 323771	21.26 0.69 -0.80	20.96 0.56 -0.35	20.88 0.58 -0.21	19.67 0.23 -0.15	19.64 0.17 -0.20	21.07 0.61 -0.13	23.09 0.18 -0.04	24.59 -0.37 -0.44	26.51 -0.32 -0.22	27.74 -0.25 -0.23	29.12 0.00 0.00	32.75 0.61 0.00	34.05 1.26 -0.37	34.49 1.36 -0.79	39.75 1.53 -0.10	40.19 2.10 -1.92	44.44 2.48 -1.28	52.92 2.36 -1.37	43.35 2.38 -1.93	35.53 1.67 -1.65	34.18 1.38 -0.62	32.47 1.22 0.00	29.64 0.69 0.00	27.05 0.66 0.00



LONG_LAKE_PHOENIX 24014	19.67 -0.10 0.00	19.95 -0.10 0.00	19.98 -0.10 0.00	19.14 -0.15 0.00	19.10 -0.17 0.00	20.24 -0.10 0.00	22.68 -0.18 0.00	24.24 -0.27 0.00	26.28 -0.32 0.00	29.53 -0.31 -2.08	31.53 -0.20 -2.61	35.55 -0.03 -3.44	36.02 0.19 -3.40	36.39 0.19 -3.86	44.25 0.27 -5.85	43.81 0.40 -7.24	47.62 0.45 -6.50	57.56 0.34 -8.03	45.41 0.47 -5.90	36.25 0.26 -3.78	35.57 0.19 -3.20	34.20 0.09 -2.85	31.16 -0.03 -2.24	28.02 -0.08 -1.71
LOVETT___3 23632	25.64 0.79 -5.08	23.10 0.82 -2.23	22.20 0.76 -1.35	21.04 0.81 -0.94	21.36 0.81 -1.28	21.99 0.85 -0.80	24.27 1.12 -0.28	28.35 1.03 -2.81	29.10 1.09 -1.41	30.67 1.44 -1.47	30.90 1.78 0.00	34.14 1.99 0.00	36.95 2.20 -2.32	39.48 2.13 -5.00	41.40 2.67 -0.60	47.83 2.79 -8.87	53.55 3.09 -9.78	61.11 3.34 -8.59	53.72 2.62 -12.06	44.24 1.74 -10.30	37.90 1.83 -3.89	32.91 1.66 0.00	30.39 1.45 0.00	27.81 1.42 0.00
LOVETT___4 23642	25.64 0.79 -5.08	23.10 0.82 -2.23	22.20 0.76 -1.35	21.04 0.81 -0.94	21.36 0.81 -1.28	21.99 0.85 -0.80	24.27 1.12 -0.28	28.35 1.03 -2.81	29.10 1.09 -1.41	30.67 1.44 -1.47	30.90 1.78 0.00	34.14 1.99 0.00	36.95 2.20 -2.32	39.48 2.13 -5.00	41.40 2.67 -0.60	47.83 2.79 -8.87	53.55 3.09 -9.78	61.11 3.34 -8.59	53.72 2.62 -12.06	44.24 1.74 -10.30	37.90 1.83 -3.89	32.91 1.66 0.00	30.39 1.45 0.00	27.81 1.42 0.00
LOVETT___5 23593	25.64 0.79 -5.08	23.10 0.82 -2.23	22.20 0.76 -1.35	21.04 0.81 -0.94	21.36 0.81 -1.28	21.99 0.85 -0.80	24.27 1.12 -0.28	28.35 1.03 -2.81	29.10 1.09 -1.41	30.67 1.44 -1.47	30.90 1.78 0.00	34.14 1.99 0.00	36.95 2.20 -2.32	39.48 2.13 -5.00	41.40 2.67 -0.60	47.83 2.79 -8.87	53.55 3.09 -9.78	61.11 3.34 -8.59	53.72 2.62 -12.06	44.24 1.74 -10.30	37.90 1.83 -3.89	32.91 1.66 0.00	30.39 1.45 0.00	27.81 1.42 0.00
LOWER_RAQUET___HYD 24057	19.61 -0.16 0.00	19.89 -0.16 0.00	19.90 -0.18 0.00	19.12 -0.17 0.00	19.08 -0.19 0.00	20.15 -0.18 0.00	22.75 -0.11 0.00	24.54 0.02 0.00	26.57 -0.03 0.00	27.85 -0.14 -0.23	28.54 -0.87 -0.29	31.69 -0.84 -0.39	31.64 -1.17 -0.38	31.23 -1.55 -0.44	36.88 -1.91 -0.66	34.02 -2.68 -0.53	38.32 -3.09 -0.73	47.52 -2.56 -0.90	36.86 -2.85 -0.66	30.44 -2.19 -0.43	30.35 -2.19 -0.36	29.83 -1.75 -0.32	28.73 -0.46 -0.25	26.19 -0.40 -0.19
LOWER___HUDSON 24059	34.96 1.09 -14.11	27.31 1.08 -6.18	24.93 1.08 -3.76	22.95 1.06 -2.60	23.88 1.06 -3.55	23.65 1.10 -2.21	24.88 1.23 -0.79	33.57 1.27 -7.79	31.88 1.44 -3.84	33.27 1.53 -3.98	30.70 1.57 0.00	33.84 1.70 0.00	40.62 1.75 -6.45	47.98 1.75 -13.89	41.90 2.10 -1.67	47.89 1.99 -9.73	65.07 2.24 -22.15	75.45 2.65 -23.61	74.35 2.15 -33.17	62.23 1.71 -28.31	44.62 1.74 -10.70	32.97 1.72 0.00	30.42 1.48 0.00	27.78 1.40 0.00
LOWVILLE_115KV_TB2 356335	20.36 0.59 0.00	20.63 0.58 0.00	20.67 0.58 0.00	19.81 0.52 0.00	19.69 0.42 0.00	20.95 0.61 0.00	23.62 0.75 0.00	25.25 0.74 0.00	27.27 0.67 0.00	28.94 0.72 -0.46	30.34 0.64 -0.57	33.83 0.93 -0.76	34.08 0.91 -0.75	33.94 0.74 -0.85	40.37 0.95 -1.29	39.04 0.43 -2.43	42.51 0.41 -1.43	51.88 0.93 -1.76	41.05 0.74 -1.27	33.57 0.55 -0.81	33.38 0.51 -0.69	32.90 1.03 -0.61	30.44 1.01 -0.48	27.57 0.82 -0.37
LUTHERFT_115KV_GLOB_FND_222 355753	37.11 1.44 -15.90	28.40 1.38 -6.97	25.75 1.43 -4.24	23.54 1.31 -2.93	24.58 1.31 -4.00	24.23 1.40 -2.49	25.26 1.51 -0.89	34.91 1.62 -8.78	32.85 1.86 -4.39	34.25 1.94 -4.55	31.19 2.07 0.00	34.49 2.35 0.00	42.38 2.69 -7.26	50.68 2.68 -15.65	43.06 3.05 -1.89	49.72 2.97 -10.58	68.89 3.34 -24.87	79.82 4.03 -26.61	79.66 3.24 -37.38	66.76 2.64 -31.91	46.84 2.61 -12.06	33.66 2.41 0.00	31.09 2.14 0.00	28.31 1.93 0.00
LUTHERNY_35_KV_BK2 355980	37.13 1.46 -15.90	28.40 1.38 -6.97	25.75 1.43 -4.24	23.55 1.33 -2.93	24.60 1.33 -4.00	24.25 1.42 -2.49	25.26 1.51 -0.89	34.91 1.62 -8.78	32.88 1.89 -4.39	34.28 1.97 -4.55	31.19 2.07 0.00	34.52 2.38 0.00	42.38 2.69 -7.26	50.68 2.68 -15.65	43.10 3.09 -1.89	49.72 2.97 -10.58	68.93 3.38 -24.87	79.87 4.08 -26.61	79.70 3.28 -37.38	66.79 2.67 -31.91	46.88 2.64 -12.06	33.69 2.44 0.00	31.12 2.17 0.00	28.34 1.95 0.00
LWR___OSWEGATCHIE_HYD 23850	19.96 0.20 0.00	20.25 0.20 0.00	20.28 0.20 0.00	19.44 0.15 0.00	19.36 0.10 0.00	20.54 0.20 0.00	23.16 0.30 0.00	24.88 0.37 0.00	26.89 0.29 0.00	28.39 0.22 -0.41	29.76 0.12 -0.52	32.85 0.03 -0.68	32.87 -0.23 -0.67	32.62 -0.49 -0.76	38.71 -0.57 -1.16	36.57 -1.19 -1.59	40.54 -1.42 -1.28	49.83 -0.93 -1.58	39.01 -1.13 -1.10	32.01 -0.90 -0.70	31.84 -0.93 -0.60	31.47 -0.31 -0.53	29.62 0.26 -0.42	26.92 0.21 -0.32
LYONS_FALL_HYD 23570	20.32 0.55 0.00	20.59 0.54 0.00	20.63 0.54 0.00	19.77 0.48 0.00	19.69 0.42 0.00	20.91 0.57 0.00	23.57 0.71 0.00	25.22 0.71 0.00	27.29 0.69 0.00	28.84 0.75 -0.33	30.21 0.67 -0.42	33.82 1.12 -0.55	34.04 1.07 -0.55	33.87 0.90 -0.62	40.21 1.14 -0.94	39.17 0.72 -2.28	42.45 0.73 -1.04	51.64 1.18 -1.29	40.92 0.94 -0.94	33.52 0.71 -0.61	33.37 0.68 -0.51	32.81 1.09 -0.46	30.26 0.95 -0.36	27.43 0.77 -0.27
MADISON___COUNTY_LFGE 323628	20.40 0.63 0.00	20.67 0.62 0.00	20.71 0.62 0.00	19.85 0.56 0.00	19.77 0.50 0.00	21.01 0.67 0.00	23.67 0.80 0.00	25.30 0.78 0.00	27.43 0.82 0.00	28.99 0.89 -0.35	30.55 0.99 -0.44	34.16 1.45 -0.58	34.52 1.52 -0.58	34.45 1.46 -0.65	40.95 1.83 -0.99	40.18 1.48 -2.52	43.35 1.59 -1.09	52.49 1.97 -1.34	41.74 1.72 -0.98	34.06 1.22 -0.63	33.87 1.16 -0.53	33.07 1.34 -0.47	30.39 1.07 -0.37	27.54 0.87 -0.28
MALONE___115KV_TB1 356076	19.92 0.16 0.00	20.21 0.16 0.00	20.22 0.14 0.00	19.41 0.12 0.00	19.40 0.13 0.00	20.48 0.14 0.00	23.09 0.23 0.00	25.00 0.49 0.00	27.13 0.53 0.00	28.20 0.44 0.00	29.53 0.41 0.00	32.50 0.35 0.00	32.42 0.00 0.00	32.18 -0.16 0.00	37.63 -0.50 0.00	34.52 -1.16 0.49	39.58 -1.10 0.00	48.44 -0.74 0.00	38.10 -0.94 0.00	31.53 -0.68 0.00	31.47 -0.71 0.00	30.88 -0.38 0.00	28.98 0.03 0.00	26.31 -0.08 0.00
MAPLEWOD_115KV_TB3 80458	33.59 1.21 -12.62	26.76 1.18 -5.53	24.65 1.20 -3.36	22.78 1.16 -2.33	23.58 1.14 -3.17	23.51 1.20 -1.98	24.89 1.33 -0.70	32.85 1.37 -6.96	31.61 1.52 -3.50	32.99 1.61 -3.62	30.67 1.54 0.00	33.91 1.77 0.00	40.23 2.04 -5.76	46.70 1.94 -12.42	41.95 2.33 -1.50	47.21 2.21 -8.83	63.00 2.52 -19.79	73.28 3.00 -21.10	71.10 2.42 -29.64	59.48 1.96 -25.30	43.71 1.96 -9.57	33.04 1.78 0.00	30.60 1.65 0.00	27.89 1.50 0.00
MAPLE_RIDGE_WT_1 323574	19.39 -0.38 0.00	19.69 -0.36 0.00	19.74 -0.34 0.00	19.00 -0.29 0.00	18.98 -0.29 0.00	20.01 -0.33 0.00	22.52 -0.34 0.00	24.24 -0.27 0.00	26.31 -0.29 0.00	27.43 -0.33 0.00	28.57 -0.55 0.00	31.44 -0.71 0.00	31.64 -0.78 0.00	31.47 -0.87 0.00	36.98 -1.14 0.00	32.37 -1.23 2.57	39.34 -1.34 0.00	47.80 -1.38 0.00	37.71 -1.33 0.00	31.24 -0.97 0.00	31.24 -0.93 0.00	30.35 -0.91 0.00	28.31 -0.64 0.00	25.83 -0.56 0.00



MAPLE_RIDGE_WT_2 323611	19.39 -0.38 0.00	19.69 -0.36 0.00	19.74 -0.34 0.00	19.00 -0.29 0.00	18.98 -0.29 0.00	20.01 -0.33 0.00	22.52 -0.34 0.00	24.24 -0.27 0.00	26.31 -0.29 0.00	27.43 -0.33 0.00	28.57 -0.55 0.00	31.44 -0.71 0.00	31.64 -0.78 0.00	31.47 -0.87 0.00	36.98 -1.14 0.00	32.37 -1.23 2.57	39.34 -1.34 0.00	47.80 -1.38 0.00	37.71 -1.33 0.00	31.24 -0.97 0.00	31.24 -0.93 0.00	30.35 -0.91 0.00	28.31 -0.64 0.00	25.83 -0.56 0.00
MARBLE_RIVER_WT_PWR 323696	19.90 0.14 0.00	20.19 0.14 0.00	20.20 0.12 0.00	19.39 0.10 0.00	19.40 0.14 0.00	20.46 0.12 0.00	23.03 0.16 0.00	24.95 0.44 0.00	27.10 0.50 0.00	28.18 0.42 0.00	29.27 0.15 0.00	32.24 0.10 0.00	32.39 -0.03 0.00	32.28 -0.06 0.00	37.75 -0.38 0.00	34.64 -0.87 0.67	39.91 -0.77 0.00	48.74 -0.44 0.00	38.34 -0.70 0.00	31.76 -0.45 0.00	31.73 -0.45 0.00	30.85 -0.41 0.00	28.89 -0.06 0.00	26.23 -0.16 0.00
MARSHVLE_115KV_TB1 80742	36.24 2.21 -14.26	28.38 2.08 -6.25	26.01 2.13 -3.80	23.87 1.95 -2.63	24.80 1.95 -3.59	24.77 2.20 -2.23	26.06 2.40 -0.79	34.93 2.55 -7.87	33.38 2.79 -3.99	34.70 2.80 -4.13	32.21 3.09 0.00	35.84 3.70 0.00	43.05 4.12 -6.52	50.49 4.11 -14.04	44.59 4.77 -1.69	50.31 4.67 -9.48	67.92 5.13 -22.12	79.20 6.30 -23.72	77.63 5.27 -33.32	65.03 4.38 -28.44	47.21 4.28 -10.75	35.41 4.16 0.00	32.54 3.59 0.00	29.53 3.14 0.00
MARSH_HILL_WT_PWR 323713	22.06 1.17 -1.13	21.66 1.12 -0.49	21.53 1.14 -0.30	20.35 0.85 -0.21	20.34 0.79 -0.28	21.71 1.20 -0.18	24.00 1.07 -0.06	25.92 0.78 -0.62	27.79 0.88 -0.31	29.22 0.89 -0.57	30.75 1.31 -0.31	34.48 1.93 -0.41	35.75 2.50 -0.83	36.26 2.46 -1.46	41.58 2.78 -0.67	41.92 3.15 -2.61	46.82 3.58 -2.55	55.79 3.74 -2.87	45.99 3.55 -3.40	37.50 2.54 -2.75	35.78 2.35 -1.25	33.81 2.22 -0.34	30.95 1.74 -0.27	28.04 1.45 -0.20
MCINTYRE_115KV_TB2 80467	19.70 -0.06 0.00	20.01 -0.04 0.00	20.06 -0.02 0.00	19.23 -0.06 0.00	19.17 -0.10 0.00	20.30 -0.04 0.00	22.89 0.02 0.00	24.68 0.17 0.00	26.71 0.11 0.00	28.01 0.06 -0.19	29.25 -0.12 -0.24	31.91 -0.55 -0.32	31.73 -1.01 -0.31	31.44 -1.26 -0.36	37.07 -1.60 -0.54	34.17 -2.28 -0.27	38.75 -2.52 -0.60	48.10 -1.82 -0.74	36.89 -2.15 0.00	30.60 -1.61 0.00	30.57 -1.61 0.00	30.23 -1.03 0.00	28.86 -0.09 0.00	26.31 -0.08 0.00
MECO____69_KV_BK1 80468	37.58 2.63 -15.19	29.15 2.45 -6.66	26.62 2.49 -4.05	24.35 2.26 -2.80	25.32 2.24 -3.82	25.28 2.56 -2.38	26.43 2.72 -0.85	35.69 2.79 -8.38	33.80 2.95 -4.25	34.99 2.83 -4.40	32.21 3.09 0.00	36.74 4.60 0.00	44.51 5.15 -6.94	51.43 4.14 -14.95	44.66 4.73 -1.80	51.03 4.85 -10.02	69.82 5.53 -23.61	81.58 7.08 -25.32	80.61 6.01 -35.56	67.69 5.12 -30.36	48.83 5.18 -11.48	36.20 4.94 0.00	33.20 4.26 0.00	30.08 3.69 0.00
MENANDS__115KV_TB5 355628	32.54 0.91 -11.86	26.21 0.96 -5.20	24.21 0.96 -3.16	22.42 0.95 -2.19	23.20 0.94 -2.98	23.17 0.98 -1.86	24.60 1.07 -0.66	32.14 1.08 -6.55	31.00 1.12 -3.28	32.35 1.19 -3.40	30.17 1.05 0.00	33.27 1.12 0.00	39.10 1.26 -5.42	45.28 1.26 -11.68	41.06 1.53 -1.41	46.03 1.45 -8.41	60.92 1.63 -18.62	70.84 1.82 -19.83	68.38 1.48 -27.86	57.15 1.16 -23.78	42.36 1.19 -8.99	32.35 1.09 0.00	30.02 1.07 0.00	27.39 1.00 0.00
MG INDUSTRY__DRP 24185	29.71 0.93 -9.02	24.96 0.96 -3.95	23.49 1.00 -2.40	21.92 0.96 -1.66	22.50 0.96 -2.27	22.73 0.98 -1.41	24.42 1.05 -0.50	30.54 1.05 -4.98	30.22 1.12 -2.50	31.46 1.11 -2.59	30.14 1.02 0.00	33.20 1.06 0.00	37.61 1.07 -4.12	42.29 1.07 -8.88	40.46 1.26 -1.07	44.26 1.19 -6.90	56.17 1.30 -14.19	65.85 1.62 -15.05	61.55 1.37 -21.14	51.38 1.13 -18.05	40.19 1.19 -6.82	32.35 1.09 0.00	30.10 1.16 0.00	27.47 1.08 0.00
MID__OSWEGATCHIE_HYD 23849	19.96 0.20 0.00	20.25 0.20 0.00	20.28 0.20 0.00	19.44 0.15 0.00	19.36 0.10 0.00	20.54 0.20 0.00	23.16 0.30 0.00	24.88 0.37 0.00	26.89 0.29 0.00	28.39 0.22 -0.41	29.76 0.12 -0.52	32.85 0.03 -0.68	32.87 -0.23 -0.67	32.62 -0.49 -0.76	38.71 -0.57 -1.16	36.57 -1.19 -1.59	40.54 -1.42 -1.28	49.83 -0.93 -1.58	39.01 -1.13 -1.10	32.01 -0.90 -0.70	31.84 -0.93 -0.60	31.47 -0.31 -0.53	29.62 0.26 -0.42	26.92 0.21 -0.32
MID__RAQUETTE_HYD 23851	19.61 -0.16 0.00	19.89 -0.16 0.00	19.90 -0.18 0.00	19.10 -0.19 0.00	19.08 -0.19 0.00	20.15 -0.18 0.00	22.75 -0.11 0.00	24.54 0.02 0.00	26.57 -0.03 0.00	27.85 -0.14 -0.23	29.13 -0.29 -0.29	31.85 -0.67 -0.39	31.64 -1.17 -0.38	31.23 -1.55 -0.44	36.84 -1.94 -0.66	34.03 -2.68 -0.53	38.32 -3.09 -0.73	47.53 -2.56 -0.90	36.80 -2.81 -0.57	30.38 -2.19 -0.36	30.26 -2.22 -0.31	29.90 -1.63 -0.27	28.70 -0.46 -0.21	26.16 -0.40 -0.16
MILLIKEN__1 23584	21.51 0.65 -1.09	21.19 0.66 -0.48	21.06 0.68 -0.29	20.05 0.56 -0.20	20.08 0.54 -0.27	21.22 0.71 -0.17	23.68 0.75 -0.06	25.80 0.69 -0.60	27.73 0.82 -0.31	29.65 0.83 -1.06	31.14 1.08 -0.93	34.85 1.48 -1.23	35.74 1.59 -1.73	36.40 1.58 -2.47	42.28 1.91 -2.25	42.30 1.99 -4.14	47.12 2.28 -4.16	56.60 2.56 -4.86	46.32 2.42 -4.86	37.70 1.80 -3.69	35.89 1.67 -2.04	33.83 1.53 -1.04	30.96 1.19 -0.82	27.99 0.98 -0.63
MILLIKEN__2 23585	21.51 0.65 -1.09	21.19 0.66 -0.48	21.06 0.68 -0.29	20.05 0.56 -0.20	20.08 0.54 -0.27	21.22 0.71 -0.17	23.68 0.75 -0.06	25.80 0.69 -0.60	27.73 0.82 -0.31	29.65 0.83 -1.06	31.14 1.08 -0.93	34.85 1.48 -1.23	35.74 1.59 -1.73	36.40 1.58 -2.47	42.28 1.91 -2.25	42.30 1.99 -4.14	47.12 2.28 -4.16	56.60 2.56 -4.86	46.32 2.42 -4.86	37.70 1.80 -3.69	35.89 1.67 -2.04	33.83 1.53 -1.04	30.96 1.19 -0.82	27.99 0.98 -0.63
MILLIKEN__DIESEL 23629	21.51 0.65 -1.09	21.19 0.66 -0.48	21.06 0.68 -0.29	20.05 0.56 -0.20	20.08 0.54 -0.27	21.22 0.71 -0.17	23.68 0.75 -0.06	25.80 0.69 -0.60	27.73 0.82 -0.31	29.65 0.83 -1.06	31.14 1.08 -0.93	34.85 1.48 -1.23	35.74 1.59 -1.73	36.40 1.58 -2.47	42.28 1.91 -2.25	42.30 1.99 -4.14	47.12 2.28 -4.16	56.60 2.56 -4.86	46.32 2.42 -4.86	37.70 1.80 -3.69	35.89 1.67 -2.04	33.83 1.53 -1.04	30.96 1.19 -0.82	27.99 0.98 -0.63
MILLSEAT__LFGE 323607	21.45 0.89 -0.80	21.18 0.78 -0.35	21.08 0.78 -0.21	19.86 0.42 -0.15	19.83 0.37 -0.20	21.28 0.81 -0.12	23.34 0.43 -0.04	24.88 -0.07 -0.44	26.82 0.00 -0.22	28.07 0.08 -0.23	29.47 0.35 0.00	33.11 0.96 0.00	34.47 1.68 -0.36	34.97 1.84 -0.78	40.32 2.10 -0.09	40.66 2.57 -1.92	44.96 3.01 -1.27	53.59 3.05 -1.36	43.92 2.97 -1.91	36.03 2.19 -1.63	34.72 1.93 -0.62	33.07 1.81 0.00	30.16 1.22 0.00	27.50 1.11 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	25.93 0.93 -5.24	23.30 0.96 -2.30	22.36 0.88 -1.40	21.16 0.91 -0.97	21.49 0.91 -1.32	22.13 0.98 -0.82	24.44 1.28 -0.29	28.60 1.20 -2.89	29.41 1.36 -1.46	30.99 1.72 -1.51	31.16 2.04 0.00	34.42 2.28 0.00	37.34 2.53 -2.39	39.96 2.46 -5.16	41.76 3.01 -0.62	48.35 3.15 -9.03	54.22 3.50 -10.04	61.90 3.89 -8.84	54.46 3.01 -12.41	44.90 2.09 -10.59	38.40 2.22 -4.00	33.26 2.00 0.00	30.68 1.74 0.00	28.02 1.64 0.00



MILLWOOD_13_KV_LOAD 356217	25.97 0.97 -5.24	23.34 1.00 -2.30	22.40 0.92 -1.40	21.20 0.95 -0.97	21.53 0.94 -1.32	22.18 1.02 -0.82	24.48 1.33 -0.29	28.65 1.25 -2.89	29.44 1.38 -1.46	31.07 1.80 -1.51	31.31 2.18 0.00	34.62 2.47 0.00	37.57 2.76 -2.39	40.21 2.72 -5.16	42.03 3.28 -0.62	48.68 3.47 -9.03	54.59 3.86 -10.04	62.34 4.33 -8.84	54.77 3.32 -12.41	45.15 2.35 -10.59	38.63 2.45 -4.00	33.44 2.19 0.00	30.80 1.85 0.00	28.16 1.77 0.00
MODEL_CITY_ENERGY 24167	21.09 0.51 -0.81	20.78 0.38 -0.36	20.70 0.40 -0.22	19.50 0.06 -0.15	19.47 0.00 -0.20	20.89 0.43 -0.13	22.89 -0.02 -0.05	24.37 -0.59 -0.45	26.24 -0.59 -0.23	27.49 -0.50 -0.23	28.83 -0.29 0.00	32.40 0.26 0.00	33.70 0.91 -0.37	34.15 1.00 -0.80	39.33 1.11 -0.10	39.76 1.66 -1.92	44.00 2.03 -1.29	52.34 1.77 -1.39	42.90 1.91 -1.95	35.19 1.32 -1.66	33.84 1.03 -0.63	32.16 0.91 0.00	29.35 0.41 0.00	26.81 0.42 0.00
MODERN_LFGE_ 323580	21.09 0.51 -0.81	20.78 0.38 -0.36	20.70 0.40 -0.22	19.50 0.06 -0.15	19.47 0.00 -0.20	20.89 0.43 -0.13	22.89 -0.02 -0.05	24.37 -0.59 -0.45	26.24 -0.59 -0.23	27.49 -0.50 -0.23	28.83 -0.29 0.00	32.40 0.26 0.00	33.70 0.91 -0.37	34.15 1.00 -0.80	39.33 1.11 -0.10	39.76 1.66 -1.92	44.00 2.03 -1.29	52.34 1.77 -1.39	42.90 1.91 -1.95	35.19 1.32 -1.66	33.84 1.03 -0.63	32.16 0.91 0.00	29.35 0.41 0.00	26.81 0.42 0.00
MOHAWK_PAPER___DRP 24187	33.59 1.21 -12.62	26.76 1.18 -5.53	24.65 1.20 -3.36	22.78 1.16 -2.33	23.58 1.14 -3.17	23.51 1.20 -1.98	24.89 1.33 -0.70	32.85 1.37 -6.96	31.61 1.52 -3.50	32.99 1.61 -3.62	30.67 1.54 0.00	33.91 1.77 0.00	40.23 2.04 -5.76	46.70 1.94 -12.42	41.95 2.33 -1.50	47.21 2.21 -8.83	63.00 2.52 -19.79	73.28 3.00 -21.10	71.10 2.42 -29.64	59.48 1.96 -25.30	43.71 1.96 -9.57	33.04 1.78 0.00	30.60 1.65 0.00	27.89 1.50 0.00
MOHICAN__35_KV_115KV_LD 80490	37.36 1.60 -15.99	28.54 1.48 -7.01	25.89 1.55 -4.26	23.65 1.41 -2.95	24.70 1.41 -4.02	24.39 1.55 -2.50	25.38 1.62 -0.89	35.13 1.79 -8.82	33.15 2.13 -4.42	34.53 2.19 -4.58	31.57 2.45 0.00	35.00 2.86 0.00	42.97 3.24 -7.30	51.38 3.30 -15.74	43.65 3.62 -1.90	50.27 3.47 -10.62	69.71 4.03 -25.00	80.95 5.02 -26.75	80.56 3.94 -37.58	67.57 3.29 -32.08	47.46 3.15 -12.13	34.13 2.88 0.00	31.46 2.52 0.00	28.60 2.22 0.00
MONGAUP___HYD 23641	25.42 0.87 -4.79	23.03 0.88 -2.10	22.18 0.82 -1.28	21.00 0.83 -0.88	21.30 0.83 -1.21	21.96 0.87 -0.75	24.25 1.12 -0.27	28.23 1.08 -2.64	29.08 1.14 -1.33	30.55 1.41 -1.38	31.02 1.89 0.00	34.36 2.22 0.00	36.72 2.11 -2.19	39.13 2.07 -4.72	41.29 2.59 -0.57	47.20 2.49 -8.54	52.53 2.56 -9.28	60.04 2.80 -8.05	52.86 2.50 -11.31	43.70 1.83 -9.66	37.76 1.93 -3.65	33.16 1.91 0.00	30.48 1.53 0.00	27.78 1.40 0.00
MONTAUK___DIESEL 23721	27.03 2.00 -5.27	24.58 2.23 -2.31	23.11 1.63 -1.40	21.96 1.70 -0.97	22.75 2.16 -1.33	23.73 2.56 -0.83	26.61 3.45 -0.29	29.77 2.35 -2.91	30.94 2.87 -1.47	32.64 3.36 -1.52	34.51 5.36 -0.03	39.68 5.62 -1.92	43.89 6.00 -5.47	55.71 6.02 -17.35	51.78 6.63 -7.02	54.19 6.26 -11.76	77.41 7.36 -29.36	105.16 8.16 -47.81	61.58 6.68 -15.86	53.44 4.73 -16.50	48.61 6.02 -10.42	45.96 5.63 -9.08	34.24 5.27 -0.02	31.11 4.70 -0.02
MOONROAD_115KV_HARTFLD_TB1-2 355988	22.30 1.56 -0.98	21.94 1.46 -0.43	21.85 1.51 -0.26	20.63 1.16 -0.18	20.57 1.06 -0.25	22.08 1.59 -0.15	24.38 1.46 -0.05	26.23 1.18 -0.54	28.33 1.46 -0.27	29.48 1.44 -0.28	31.19 2.07 0.00	34.62 2.47 0.00	36.14 3.27 -0.44	36.57 3.27 -0.96	42.02 3.77 -0.12	42.12 3.94 -2.00	46.89 4.68 -1.53	55.55 4.72 -1.65	45.85 4.49 -2.32	37.44 3.25 -1.98	35.98 3.06 -0.74	33.76 2.50 0.00	30.74 1.79 0.00	28.05 1.66 0.00
MORTIMER_115KV_TB3 55949	21.00 0.61 -0.62	20.86 0.54 -0.27	20.75 0.50 -0.17	19.67 0.27 -0.11	19.68 0.25 -0.16	20.96 0.53 -0.10	23.22 0.32 -0.03	24.90 0.05 -0.34	26.91 0.13 -0.17	28.24 0.31 -0.18	29.79 0.67 0.00	33.07 0.93 0.00	34.17 1.46 -0.29	34.61 1.65 -0.62	40.15 1.94 -0.07	40.03 2.03 -1.84	44.19 2.52 -0.99	52.65 2.41 -1.06	42.91 2.38 -1.49	35.29 1.80 -1.27	34.08 1.42 -0.48	32.48 1.22 0.00	29.81 0.87 0.00	27.21 0.82 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	26.10 1.07 -5.27	23.44 1.08 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.47	31.28 2.00 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.65 2.82 -2.41	40.25 2.72 -5.19	42.11 3.36 -0.63	48.76 3.51 -9.08	54.60 3.82 -10.09	62.41 4.33 -8.90	54.84 3.32 -12.48	45.18 2.32 -10.66	38.68 2.48 -4.03	33.54 2.28 0.00	31.01 2.06 -0.01	28.29 1.90 0.00
MUNSVILLE_WIND_PWR 323609	23.45 1.86 -1.83	22.75 1.91 -0.80	22.50 1.93 -0.49	21.34 1.72 -0.34	21.31 1.58 -0.46	22.62 1.99 -0.29	25.30 2.33 -0.10	27.88 2.35 -1.01	29.40 2.29 -0.51	31.24 2.44 -1.04	32.44 2.68 -0.64	36.74 3.76 -0.84	37.85 3.79 -1.64	38.80 3.75 -2.71	44.34 4.61 -1.60	43.83 3.91 -3.75	49.61 3.94 -4.98	59.62 4.82 -5.61	49.99 4.37 -6.57	40.90 3.38 -5.31	37.93 3.31 -2.44	35.76 3.81 -0.69	32.56 3.07 -0.55	29.42 2.61 -0.42
N SALMON___HYD 24042	19.92 0.16 0.00	20.21 0.16 0.00	20.22 0.14 0.00	19.41 0.12 0.00	19.40 0.14 0.00	20.48 0.14 0.00	23.09 0.23 0.00	25.00 0.49 0.00	28.20 0.53 0.00	27.13 0.44 0.00	29.21 0.09 0.00	32.30 0.16 0.00	32.42 0.00 0.00	32.18 -0.16 0.00	37.67 -0.46 0.00	34.52 -1.16 0.49	39.54 -1.14 0.00	48.49 -0.69 0.00	38.03 -1.02 0.00	31.56 -0.64 0.00	31.47 -0.71 0.00	30.73 -0.53 0.00	28.98 0.03 0.00	26.31 -0.08 0.00
N.AKRON__115KV_KNAPP 355671	21.45 0.89 -0.80	21.16 0.76 -0.35	21.08 0.78 -0.21	19.86 0.42 -0.15	19.83 0.37 -0.20	21.26 0.79 -0.12	23.34 0.43 -0.04	24.88 -0.07 -0.44	26.85 0.03 -0.22	28.10 0.11 -0.23	29.74 0.61 0.00	33.17 1.03 0.00	34.70 1.91 -0.37	35.08 1.94 -0.79	40.62 2.40 -0.10	40.70 2.60 -1.92	45.16 3.21 -1.26	53.69 3.15 -1.36	44.11 3.16 -1.91	36.16 2.32 -1.63	34.86 2.09 -0.59	32.98 1.72 0.00	30.22 1.27 0.00	27.63 1.24 0.00
N.BELMOR_69_KV_BK1 55787	26.22 1.19 -5.27	23.58 1.22 -2.31	22.43 0.94 -1.40	21.25 0.98 -0.97	21.73 1.14 -1.33	22.49 1.32 -0.83	24.99 1.83 -0.29	28.87 1.45 -2.91	29.79 1.73 -1.47	31.47 2.19 -1.52	31.91 2.77 -0.02	36.13 3.05 -0.93	38.22 3.37 -2.43	40.73 3.17 -5.22	42.07 3.32 -0.63	48.64 3.40 -9.07	54.64 3.86 -10.10	62.00 3.98 -8.84	54.73 3.20 -12.49	44.90 2.03 -10.66	39.33 3.09 -4.06	38.33 2.84 -4.22	31.60 2.63 -0.02	28.89 2.48 0.00
N.E._GEN_SANDY PD 24062	29.51 0.99 -8.76	28.69 1.00 -7.64	27.56 0.98 -6.49	25.78 0.98 -5.50	26.50 0.98 -6.25	30.06 1.02 -8.71	33.16 1.23 -9.06	29.81 1.20 -4.10	30.01 1.33 -2.08	33.55 1.50 -4.29	28.59 1.60 2.13	33.81 1.67 0.00	37.50 1.68 -3.39	41.30 1.65 -7.31	41.10 2.10 -0.88	46.19 1.95 -8.07	55.69 2.24 -12.77	64.04 2.46 -12.40	58.49 2.03 -17.42	48.59 1.51 -14.87	39.41 1.61 -5.62	32.85 1.59 0.00	30.28 1.33 0.00	27.68 1.29 0.00



N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	25.67 0.83 -5.07	23.11 0.84 -2.22	22.22 0.78 -1.35	21.05 0.83 -0.94	21.37 0.83 -1.28	22.01 0.87 -0.79	24.31 1.17 -0.28	28.37 1.05 -2.80	29.15 1.14 -1.41	30.72 1.50 -1.46	30.96 1.83 0.00	34.23 2.09 0.00	37.04 2.30 -2.32	39.60 2.26 -4.99	41.51 2.78 -0.60	47.89 2.86 -8.86	53.70 3.25 -9.76	61.19 3.44 -8.57	53.85 2.77 -12.04	44.29 1.80 -10.28	37.99 1.93 -3.88	33.01 1.75 0.00	30.45 1.51 0.00	27.84 1.45 0.00
N. QUEENS_27_KV_LOAD 356247	26.22 1.19 -5.27	23.54 1.18 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.60 1.00 -1.33	22.14 0.98 -0.83	24.44 1.28 -0.29	28.69 1.27 -2.91	29.56 1.49 -1.46	31.22 1.94 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.15 2.62 -5.19	42.03 3.28 -0.63	48.80 3.54 -9.08	54.40 3.62 -10.09	62.71 4.62 -8.90	54.73 3.20 -12.48	45.05 2.19 -10.66	38.55 2.35 -4.03	33.70 2.44 -0.01	31.24 2.29 -0.01	28.51 2.11 -0.01
N. TROY___115KV_TB1 355778	34.96 1.09 -14.11	27.31 1.08 -6.18	24.93 1.08 -3.76	22.95 1.06 -2.60	23.88 1.06 -3.55	23.65 1.10 -2.21	24.89 1.23 -0.79	33.57 1.27 -7.79	31.88 1.44 -3.84	33.27 1.53 -3.98	30.55 1.43 0.00	33.72 1.57 0.00	40.65 1.78 -6.45	47.98 1.75 -13.89	41.90 2.10 -1.67	47.89 1.99 -9.73	65.07 2.24 -22.15	75.45 2.66 -23.61	74.31 2.11 -33.16	62.23 1.71 -28.31	44.65 1.77 -10.70	32.88 1.63 0.00	30.42 1.48 0.00	27.76 1.37 0.00
NARROWS_GT1_1 24228	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_2 24229	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_3 24230	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_4 24231	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_5 24232	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_6 24233	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_7 24234	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT1_8 24235	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_1 24236	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_2 24237	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_3 24238	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_4 24239	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01



NARROWS_GT2_5 24240	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_6 24241	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_7 24242	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NARROWS_GT2_8 24243	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.60 2.80 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	29.66 1.23 -8.67	25.11 1.26 -3.80	23.68 1.29 -2.31	22.12 1.23 -1.60	22.68 1.23 -2.18	22.96 1.26 -1.36	24.74 1.39 -0.48	30.77 1.47 -4.78	30.54 1.54 -2.40	31.77 1.53 -2.49	30.73 1.60 0.00	33.81 1.67 0.00	37.74 1.36 -3.96	42.53 1.65 -8.53	41.02 1.87 -1.03	45.73 1.99 -7.57	56.64 2.07 -13.89	65.91 2.31 -14.42	61.44 2.15 -20.25	51.20 1.71 -17.29	40.38 1.67 -6.53	32.98 1.72 0.00	30.71 1.77 0.00	27.94 1.56 0.00
NCHELSEA_115KV_TR2 355582	26.17 1.07 -5.34	23.49 1.10 -2.34	22.53 1.02 -1.42	21.30 1.02 -0.99	21.63 1.02 -1.34	22.27 1.10 -0.84	24.58 1.42 -0.30	28.83 1.37 -2.95	29.60 1.52 -1.48	31.19 1.89 -1.54	31.34 2.21 0.00	34.68 2.54 0.00	37.55 2.69 -2.44	40.28 2.68 -5.26	41.96 3.20 -0.63	48.40 3.22 -9.01	54.56 3.78 -10.10	61.99 3.84 -8.97	54.85 3.20 -12.60	45.13 2.16 -10.76	38.50 2.25 -4.07	33.35 2.09 0.00	30.74 1.79 0.00	28.02 1.64 0.00
NEG CAPITAL___MECHNVIL 23645	36.66 1.46 -15.43	28.19 1.38 -6.76	25.62 1.43 -4.11	23.47 1.33 -2.85	24.48 1.33 -3.88	24.18 1.42 -2.42	25.26 1.53 -0.86	34.67 1.64 -8.51	32.75 1.92 -4.24	34.15 2.00 -4.39	31.34 2.21 0.00	34.71 2.57 0.00	42.19 2.72 -7.05	50.25 2.72 -15.19	43.08 3.13 -1.83	49.58 3.04 -10.37	68.29 3.46 -24.16	79.13 4.13 -25.82	78.62 3.32 -36.26	65.84 2.67 -30.96	46.52 2.64 -11.70	33.79 2.53 0.00	31.12 2.17 0.00	28.37 1.98 0.00
NEG CENTRAL_HIGH_ACRES 23767	20.54 0.18 -0.60	20.45 0.14 -0.26	20.36 0.12 -0.16	19.32 -0.08 -0.11	19.32 -0.10 -0.15	20.59 0.16 -0.09	22.88 -0.02 -0.03	24.62 -0.22 -0.33	26.69 -0.08 -0.17	28.27 0.06 -0.46	29.77 0.29 -0.35	33.28 0.68 -0.46	34.05 0.94 -0.68	34.47 1.07 -1.06	40.09 1.18 -0.78	40.17 1.48 -2.51	44.22 1.71 -1.84	52.92 1.62 -2.12	42.89 1.60 -2.25	35.12 1.16 -1.75	33.95 0.87 -0.90	32.45 0.81 -0.38	29.65 0.41 -0.30	26.88 0.26 -0.23
NEG CENTRAL___DRP 24199	20.89 0.45 -0.67	20.78 0.44 -0.29	20.70 0.44 -0.18	19.70 0.29 -0.12	19.71 0.27 -0.17	20.93 0.49 -0.10	23.34 0.43 -0.04	25.20 0.32 -0.37	27.16 0.37 -0.19	29.10 0.42 -0.92	30.74 0.70 -0.91	34.44 1.09 -1.20	35.03 1.91 -0.70	35.38 1.88 -1.17	41.00 2.21 -0.66	41.03 2.39 -2.47	46.06 2.03 -3.35	55.26 2.11 -3.97	44.83 2.11 -3.68	36.42 1.51 -2.70	35.17 1.35 -1.64	33.41 1.16 -1.00	30.57 0.84 -0.79	27.65 0.66 -0.60
NEG CENTRAL___INDECK 23768	22.01 1.32 -0.92	21.74 1.28 -0.40	21.59 1.27 -0.25	20.42 0.96 -0.17	20.43 0.92 -0.23	21.82 1.34 -0.14	24.04 1.12 -0.05	25.64 0.61 -0.51	27.42 0.56 -0.26	28.69 0.67 -0.27	30.08 0.96 0.00	32.59 0.45 0.00	33.65 0.81 -0.42	34.45 1.20 -0.91	39.65 1.41 -0.11	39.89 1.74 -1.98	44.22 2.07 -1.46	53.02 2.26 -1.58	43.87 2.62 -2.21	36.39 2.29 -1.89	34.92 2.03 -0.71	33.20 1.94 0.00	31.00 2.06 0.00	28.13 1.74 0.00
NEG CENTRAL___SENECA 23627	21.13 0.61 -0.76	20.96 0.58 -0.33	20.89 0.60 -0.20	19.83 0.41 -0.14	19.84 0.39 -0.19	21.11 0.65 -0.12	23.50 0.59 -0.04	25.37 0.44 -0.42	27.32 0.51 -0.21	28.91 0.56 -0.59	30.50 0.90 -0.47	34.11 1.35 -0.62	34.71 1.91 -0.38	35.03 1.88 -0.81	40.47 2.25 -0.10	40.53 2.42 -1.93	45.62 2.56 -2.37	54.63 2.70 -2.74	44.58 2.65 -2.88	36.37 1.93 -2.23	35.05 1.71 -1.16	33.27 1.50 -0.51	30.48 1.13 -0.41	27.62 0.92 -0.31
NEG CENTRAL___STATE_STREET 24147	20.93 0.51 -0.65	20.87 0.54 -0.29	20.84 0.58 -0.17	19.83 0.42 -0.12	19.86 0.42 -0.16	21.03 0.59 -0.10	23.50 0.59 -0.04	25.44 0.56 -0.36	27.75 0.96 -0.19	30.01 1.05 -1.19	31.71 1.34 -1.25	35.40 1.61 -1.65	35.77 1.46 -1.89	36.51 1.71 -2.45	42.99 2.06 -2.80	42.91 2.21 -4.53	47.29 2.32 -4.29	56.88 2.56 -5.14	45.92 2.34 -4.53	37.12 1.67 -3.24	35.83 1.54 -2.11	34.09 1.41 -1.42	31.11 1.04 -1.12	28.09 0.84 -0.86
NEG MILLWOOD___DRP 24198	26.23 1.11 -5.36	23.52 1.12 -2.35	22.58 1.06 -1.43	21.36 1.08 -0.99	21.66 1.04 -1.35	22.30 1.12 -0.84	24.63 1.46 -0.30	28.89 1.42 -2.96	29.66 1.57 -1.49	31.36 2.05 -1.55	31.57 2.45 0.00	34.97 2.83 0.00	38.08 3.21 -2.45	40.82 3.20 -5.28	42.50 3.74 -0.64	49.24 3.98 -9.09	55.43 4.56 -10.19	63.17 4.97 -9.03	55.62 3.90 -12.68	45.80 2.77 -10.82	39.13 2.86 -4.09	33.79 2.53 0.00	31.03 2.08 0.00	28.31 1.93 0.00
NEG NORTH_FLCN_SEA 23793	20.12 0.36 0.00	20.41 0.36 0.00	20.42 0.34 0.00	19.60 0.31 0.00	19.62 0.35 0.00	20.70 0.37 0.00	23.30 0.43 0.00	25.25 0.74 0.00	27.40 0.80 0.00	28.51 0.75 0.00	29.88 0.76 0.00	32.85 0.71 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.28 0.15 0.00	35.08 -0.43 0.66	40.48 -0.20 0.00	49.38 0.20 0.00	38.88 -0.16 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.38 0.13 0.00	29.27 0.32 0.00	26.57 0.18 0.00
NEG NORTH_KES_CHATEGAY 23792	19.88 0.12 0.00	20.17 0.12 0.00	20.18 0.10 0.00	19.37 0.08 0.00	19.38 0.12 0.00	20.44 0.10 0.00	23.03 0.16 0.00	24.93 0.42 0.00	27.05 0.45 0.00	28.12 0.36 0.00	29.44 0.32 0.00	32.37 0.22 0.00	32.32 -0.10 0.00	32.18 -0.16 0.00	37.63 -0.50 0.00	34.58 -0.98 0.61	39.79 -0.89 0.00	48.64 -0.54 0.00	38.34 -0.70 0.00	31.72 -0.48 0.00	31.69 -0.48 0.00	30.98 -0.28 0.00	28.89 -0.06 0.00	26.23 -0.16 0.00



NEG NORTH___ALICE_FALLS 23915	20.10 0.34 0.00	20.39 0.34 0.00	20.40 0.32 0.00	19.56 0.27 0.00	19.60 0.33 0.00	20.66 0.33 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.37 0.77 0.00	28.45 0.69 0.00	29.82 0.70 0.00	32.82 0.67 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.24 0.11 0.00	35.01 -0.51 0.65	40.40 -0.28 0.00	49.33 0.15 0.00	38.88 -0.16 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.38 0.13 0.00	29.27 0.32 0.00	26.55 0.16 0.00
NEG NORTH___LWR_SARANAC 23913	20.10 0.34 0.00	20.39 0.34 0.00	20.40 0.32 0.00	19.56 0.27 0.00	19.60 0.33 0.00	20.66 0.33 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.37 0.77 0.00	28.45 0.69 0.00	29.82 0.70 0.00	32.82 0.67 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.24 0.11 0.00	35.01 -0.51 0.65	40.40 -0.28 0.00	49.33 0.15 0.00	38.88 -0.16 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.38 0.13 0.00	29.27 0.32 0.00	26.55 0.16 0.00
NEG NORTH___PLATTSBURG 23628	20.10 0.34 0.00	20.39 0.34 0.00	20.40 0.32 0.00	19.58 0.29 0.00	19.60 0.33 0.00	20.66 0.32 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.37 0.77 0.00	28.45 0.69 0.00	29.59 0.46 0.00	32.65 0.51 0.00	32.84 0.42 0.00	32.73 0.39 0.00	38.24 0.11 0.00	35.01 -0.51 0.65	40.40 -0.28 0.00	49.33 0.15 0.00	38.81 -0.23 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.26 0.00 0.00	29.27 0.32 0.00	26.55 0.16 0.00
NEG WEST_LEA_LOCKPORT 23791	21.26 0.69 -0.80	20.96 0.56 -0.35	20.88 0.58 -0.21	19.67 0.23 -0.15	19.64 0.17 -0.20	21.05 0.59 -0.13	23.09 0.18 -0.04	24.59 -0.37 -0.44	26.53 -0.29 -0.22	27.77 -0.22 -0.23	29.36 0.23 0.00	32.72 0.58 0.00	34.25 1.46 -0.37	34.63 1.49 -0.80	40.09 1.87 -0.10	40.23 2.13 -1.93	44.64 2.68 -1.28	53.01 2.46 -1.37	43.59 2.62 -1.93	35.69 1.84 -1.65	34.30 1.51 -0.61	32.38 1.13 0.00	29.67 0.72 0.00	27.18 0.79 0.00
NEG WEST___LANCASTR 23811	21.35 0.63 -0.96	20.99 0.52 -0.42	20.88 0.54 -0.25	19.70 0.23 -0.18	19.68 0.17 -0.24	21.06 0.57 -0.15	23.17 0.25 -0.05	24.79 -0.25 -0.53	26.71 -0.16 -0.27	27.48 -0.56 -0.28	29.01 -0.12 0.00	32.34 0.19 0.00	33.96 1.10 -0.44	34.46 1.16 -0.95	39.65 1.41 -0.11	39.87 1.70 -2.00	44.43 2.24 -1.51	52.72 1.92 -1.63	43.55 2.23 -2.28	35.48 1.32 -1.95	33.97 1.06 -0.73	31.88 0.63 0.00	29.15 0.20 0.00	26.62 0.24 0.00
NEG_PENN_ALLEGHNY 23528	22.19 0.57 -1.85	21.42 0.56 -0.81	21.14 0.56 -0.49	20.07 0.44 -0.34	20.16 0.42 -0.47	21.22 0.59 -0.29	23.54 0.57 -0.10	26.00 0.46 -1.02	27.65 0.53 -0.51	29.30 0.55 -0.99	30.51 0.81 -0.57	34.09 1.19 -0.76	35.41 1.42 -1.56	36.43 1.46 -2.64	41.30 1.72 -1.45	41.70 1.88 -3.65	47.15 2.11 -4.36	56.36 2.26 -4.92	46.88 2.11 -5.73	38.27 1.45 -4.62	35.69 1.38 -2.13	33.20 1.31 -0.63	30.37 0.93 -0.49	27.56 0.79 -0.38
NEG___GEN_MONROE 24207	21.14 0.75 -0.62	21.02 0.70 -0.27	20.89 0.64 -0.17	19.83 0.42 -0.11	19.85 0.42 -0.16	21.13 0.69 -0.10	23.40 0.50 -0.03	25.08 0.22 -0.34	27.04 0.27 -0.17	28.27 0.33 -0.18	29.79 0.67 0.00	33.14 1.00 0.00	34.23 1.52 -0.29	34.48 1.52 -0.62	40.03 1.83 -0.07	39.96 1.95 -1.84	44.15 2.48 -0.99	52.60 2.36 -1.06	42.88 2.34 -1.49	35.29 1.80 -1.27	34.02 1.35 -0.49	32.35 1.09 0.00	29.73 0.78 0.00	27.15 0.77 0.00
NEPA___ENERGY 23901	21.71 0.97 -0.98	21.36 0.88 -0.43	21.27 0.92 -0.26	20.09 0.62 -0.18	20.05 0.54 -0.25	21.47 0.98 -0.15	23.65 0.73 -0.05	25.40 0.34 -0.54	27.35 0.48 -0.27	28.46 0.42 -0.28	30.06 0.93 0.00	33.40 1.25 0.00	34.88 2.01 -0.44	35.43 2.13 -0.96	40.84 2.59 -0.12	41.00 2.82 -2.00	45.67 3.46 -1.53	54.17 3.34 -1.65	44.75 3.40 -2.31	36.44 2.25 -1.98	34.85 1.93 -0.74	32.76 1.50 0.00	29.99 1.04 0.00	27.39 1.00 0.00
NEVERSINK___HYD 23608	26.79 1.17 -5.86	23.80 1.18 -2.57	22.71 1.06 -1.56	21.45 1.08 -1.08	21.82 1.08 -1.47	22.39 1.14 -0.92	24.81 1.62 -0.33	29.34 1.59 -3.23	29.98 1.76 -1.63	31.61 2.17 -1.69	32.10 2.97 0.00	35.71 3.57 0.00	38.50 3.40 -2.68	41.44 3.33 -5.77	42.86 4.04 -0.70	48.77 3.91 -8.69	52.72 3.37 -8.66	61.01 3.54 -8.28	53.84 3.16 -11.64	44.17 2.03 -9.93	38.02 2.09 -3.76	33.38 2.13 0.00	30.62 1.68 0.00	27.92 1.53 0.00
NEWKRMKL_115KV_TB1 55635	32.19 0.83 -11.60	26.03 0.90 -5.08	24.10 0.92 -3.09	22.32 0.89 -2.14	23.07 0.89 -2.92	23.07 0.92 -1.82	24.52 1.01 -0.65	31.92 1.01 -6.40	30.82 1.01 -3.21	32.12 1.03 -3.33	30.06 0.93 0.00	33.17 1.03 0.00	38.89 1.17 -5.30	44.89 1.13 -11.42	40.84 1.33 -1.38	45.67 1.30 -8.20	60.28 1.42 -18.18	70.19 1.62 -19.39	67.60 1.33 -27.23	56.49 1.03 -23.25	42.03 1.06 -8.79	32.19 0.94 0.00	29.87 0.93 0.00	27.26 0.87 0.00
NEWTON___FALLS_HYD 23847	19.96 0.20 0.00	20.25 0.20 0.00	20.28 0.20 0.00	19.44 0.15 0.00	19.36 0.10 0.00	20.54 0.20 0.00	23.16 0.30 0.00	24.88 0.37 0.00	26.89 0.29 0.00	28.39 0.22 -0.41	29.76 0.12 -0.52	32.85 0.03 -0.68	32.87 -0.23 -0.67	32.62 -0.49 -0.76	38.71 -0.57 -1.16	36.57 -1.19 -1.59	40.54 -1.42 -1.28	49.83 -0.93 -1.58	39.01 -1.13 -1.10	32.01 -0.90 -0.70	31.84 -0.93 -0.60	31.47 -0.31 -0.53	29.62 0.26 -0.42	26.92 0.21 -0.32
NGRID_A1_DSASP 323792	20.82 0.24 -0.81	20.52 0.12 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.63 0.16 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.87 -0.96 -0.23	27.13 -0.86 -0.23	28.42 -0.70 0.00	31.88 -0.26 0.00	33.18 0.39 -0.37	33.63 0.49 -0.80	38.72 0.49 -0.10	39.18 1.08 -1.93	43.28 1.30 -1.29	51.50 0.93 -1.39	42.21 1.21 -1.95	34.62 0.74 -1.67	33.32 0.51 -0.63	31.66 0.41 0.00	28.89 -0.06 0.00	26.41 0.03 0.00
NGRID_A2_DSASP 323793	20.82 0.24 -0.81	20.52 0.12 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.63 0.16 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.87 -0.96 -0.23	27.13 -0.86 -0.23	28.42 -0.70 0.00	31.88 -0.26 0.00	33.18 0.39 -0.37	33.63 0.49 -0.80	38.72 0.49 -0.10	39.18 1.08 -1.93	43.28 1.30 -1.29	51.50 0.93 -1.39	42.21 1.21 -1.95	34.62 0.74 -1.67	33.32 0.51 -0.63	31.66 0.41 0.00	28.89 -0.06 0.00	26.41 0.03 0.00
NGRID_A4_DSASP 323807	20.82 0.24 -0.81	20.50 0.10 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.61 0.14 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.90 -0.93 -0.23	27.13 -0.86 -0.23	28.66 -0.47 0.00	31.89 -0.26 0.00	33.35 0.55 -0.38	33.77 0.61 -0.81	39.03 0.80 -0.10	39.22 1.12 -1.93	43.48 1.51 -1.29	51.65 1.08 -1.39	42.44 1.44 -1.95	34.81 0.93 -1.67	33.45 0.64 -0.63	31.54 0.28 0.00	28.92 -0.03 0.00	26.55 0.16 0.00
NIAGARA_115E_LBMP 323715	21.00 0.42 -0.82	20.69 0.28 -0.36	20.60 0.30 -0.22	19.40 -0.04 -0.15	19.38 -0.10 -0.21	20.79 0.32 -0.13	22.77 -0.14 -0.05	24.23 -0.73 -0.45	26.11 -0.72 -0.23	27.33 -0.67 -0.24	28.66 -0.47 0.00	32.21 0.06 0.00	33.48 0.68 -0.37	33.96 0.81 -0.81	39.10 0.88 -0.10	39.55 1.45 -1.93	43.73 1.75 -1.30	52.05 1.47 -1.40	42.65 1.64 -1.97	34.98 1.10 -1.68	33.65 0.84 -0.63	31.94 0.69 0.00	29.18 0.23 0.00	26.65 0.26 0.00



NIAGARA_115W_LBMP 323714	20.75 0.18 -0.81	20.46 0.06 -0.36	20.38 0.08 -0.22	19.19 -0.25 -0.15	19.18 -0.29 -0.20	20.57 0.10 -0.13	22.52 -0.39 -0.05	23.95 -1.01 -0.45	25.82 -1.01 -0.23	27.05 -0.94 -0.23	28.34 -0.78 0.00	31.79 -0.35 0.00	33.05 0.26 -0.37	33.53 0.39 -0.80	38.60 0.38 -0.10	39.03 0.94 -1.92	43.11 1.14 -1.29	51.35 0.78 -1.39	42.08 1.09 -1.95	34.52 0.64 -1.67	33.22 0.42 -0.63	31.57 0.31 0.00	28.80 -0.14 0.00	26.33 -0.05 0.00
NIAGARA_230_LBMP 323716	21.00 0.43 -0.80	20.70 0.30 -0.35	20.64 0.34 -0.21	19.44 0.00 -0.15	19.43 -0.04 -0.20	20.83 0.37 -0.13	22.82 -0.09 -0.04	24.29 -0.66 -0.44	26.16 -0.66 -0.22	27.41 -0.58 -0.23	28.72 -0.41 0.00	32.21 0.06 0.00	33.47 0.68 -0.37	33.90 0.77 -0.79	39.06 0.84 -0.09	39.46 1.37 -1.92	43.66 1.71 -1.27	51.97 1.43 -1.37	42.60 1.64 -1.92	34.91 1.06 -1.64	33.57 0.77 -0.62	31.91 0.66 0.00	29.15 0.20 0.00	26.65 0.26 0.00
NIAGARA__115KV_198_GIBSON 55903	20.75 0.18 -0.81	20.44 0.04 -0.36	20.38 0.08 -0.22	19.21 -0.23 -0.15	19.18 -0.29 -0.20	20.55 0.08 -0.13	22.52 -0.39 -0.05	23.96 -1.01 -0.45	25.82 -1.01 -0.23	27.05 -0.94 -0.23	28.60 -0.52 0.00	31.79 -0.35 0.00	33.25 0.45 -0.38	33.64 0.49 -0.81	38.91 0.69 -0.10	39.11 1.01 -1.93	43.31 1.34 -1.29	51.45 0.89 -1.39	42.28 1.29 -1.95	34.68 0.81 -1.66	33.35 0.55 -0.62	31.44 0.19 0.00	28.83 -0.12 0.00	26.47 0.08 0.00
NIAGARA____ 23760	20.86 0.28 -0.82	20.55 0.14 -0.36	20.48 0.18 -0.22	19.27 -0.17 -0.15	19.26 -0.21 -0.21	20.65 0.18 -0.13	22.64 -0.27 -0.05	24.17 -0.79 -0.45	26.03 -0.80 -0.22	27.27 -0.72 -0.23	28.60 -0.52 0.00	32.11 -0.03 0.00	33.34 0.55 -0.37	33.82 0.68 -0.79	38.95 0.72 -0.10	39.39 1.30 -1.92	43.51 1.55 -1.28	51.84 1.28 -1.38	42.46 1.48 -1.94	34.80 0.93 -1.65	33.48 0.68 -0.62	31.82 0.56 0.00	29.03 0.09 0.00	26.52 0.13 0.00
NINE_MILE_1 23575	19.37 -0.40 0.00	19.63 -0.42 0.00	19.64 -0.44 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	20.61 -0.75 6.40	20.41 -0.67 8.05	20.93 -0.61 10.60	21.49 -0.52 10.41	20.06 -0.48 11.80	19.65 -0.57 17.90	19.64 -0.43 16.09	20.14 -0.53 20.01	23.70 -0.74 24.74	20.38 -0.47 18.19	20.07 -0.48 11.66	21.76 -0.55 9.87	21.96 -0.53 8.77	21.42 -0.61 6.92	20.50 -0.61 5.28
NINE_MILE_2 23744	19.37 -0.40 0.00	19.63 -0.42 0.00	19.64 -0.44 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	20.51 -0.75 6.50	20.29 -0.67 8.17	20.77 -0.61 10.76	21.33 -0.52 10.57	19.88 -0.48 11.98	19.38 -0.57 18.17	19.38 -0.43 16.36	19.84 -0.53 20.31	23.33 -0.74 25.12	20.11 -0.47 18.46	19.89 -0.48 11.83	21.61 -0.55 10.02	21.82 -0.53 8.90	21.31 -0.61 7.02	20.42 -0.61 5.36
NM_CAPITAL____DRP 24208	32.12 0.87 -11.49	26.00 0.92 -5.03	24.09 0.94 -3.06	22.33 0.93 -2.12	23.06 0.91 -2.89	23.07 0.94 -1.80	24.56 1.05 -0.64	31.88 1.03 -6.34	30.84 1.06 -3.17	32.16 1.11 -3.29	30.11 0.99 0.00	33.20 1.06 0.00	38.87 1.20 -5.25	44.81 1.16 -11.30	40.90 1.41 -1.36	45.71 1.34 -8.20	60.21 1.51 -18.03	70.10 1.72 -19.20	67.37 1.37 -26.97	56.29 1.06 -23.02	42.01 1.13 -8.70	32.26 1.00 0.00	29.93 0.98 0.00	27.34 0.95 0.00
NM_CENTRAL____DRP 24181	19.82 0.06 0.00	20.09 0.04 0.00	20.12 0.04 0.00	19.27 -0.02 0.00	19.23 -0.04 0.00	20.38 0.04 0.00	22.87 0.00 0.00	24.44 -0.07 0.00	26.52 -0.08 0.00	28.30 -0.08 -0.63	29.94 0.03 -0.79	33.40 0.22 -1.04	33.95 0.49 -1.05	34.01 0.49 -1.18	40.53 0.61 -1.80	40.16 0.72 -3.26	44.08 0.77 -2.62	53.05 0.74 -3.13	42.56 0.74 -2.78	34.69 0.48 -2.00	33.82 0.35 -1.29	32.39 0.28 -0.86	29.71 0.09 -0.67	26.96 0.05 -0.52
NM_FRONTIER____DRP 24179	20.75 0.18 -0.81	20.44 0.04 -0.36	20.38 0.08 -0.22	19.21 -0.23 -0.15	19.18 -0.29 -0.20	20.55 0.08 -0.13	22.52 -0.39 -0.05	23.96 -1.01 -0.45	25.82 -1.01 -0.23	27.05 -0.94 -0.23	28.60 -0.52 0.00	31.79 -0.35 0.00	33.25 0.45 -0.38	33.64 0.49 -0.81	38.91 0.69 -0.10	39.11 1.01 -1.93	43.31 1.34 -1.29	51.45 0.89 -1.39	42.28 1.29 -1.95	34.68 0.81 -1.66	33.35 0.55 -0.62	31.44 0.19 0.00	28.83 -0.12 0.00	26.47 0.08 0.00
NM_ST_REGIS____HYD 24053	19.67 -0.10 0.00	19.95 -0.10 0.00	19.96 -0.12 0.00	19.15 -0.14 0.00	19.15 -0.12 0.00	20.22 -0.12 0.00	22.82 -0.05 0.00	24.63 0.12 0.00	26.71 0.11 0.00	27.94 -0.03 -0.21	29.27 -0.12 -0.26	32.04 -0.45 -0.35	31.86 -0.91 -0.35	31.47 -1.26 -0.39	37.08 -1.64 -0.60	34.25 -2.31 -0.39	38.69 -2.64 -0.66	47.83 -2.16 -0.81	37.17 -2.38 -0.51	30.70 -1.84 -0.33	30.59 -1.87 -0.28	30.16 -1.34 -0.25	28.76 -0.38 -0.19	26.19 -0.34 -0.15
NORTHPORT____1 23551	26.02 0.99 -5.27	23.38 1.02 -2.31	22.19 0.70 -1.40	20.98 0.71 -0.97	21.61 1.02 -1.33	22.38 1.22 -0.83	24.90 1.74 -0.29	28.62 1.20 -2.91	29.58 1.52 -1.47	31.22 1.94 -1.52	32.23 3.09 -0.02	36.54 3.44 -0.96	37.91 3.50 -1.99	40.67 2.81 -5.52	40.36 2.52 0.28	47.67 2.68 -8.82	52.28 3.21 -8.38	57.72 3.15 -5.39	53.57 2.42 -12.10	43.92 1.64 -10.07	38.34 2.90 -3.27	38.07 3.28 -3.53	31.63 2.66 -0.02	28.96 2.56 -0.02
NORTHPORT____2 23552	26.02 0.99 -5.27	23.38 1.02 -2.31	22.19 0.70 -1.40	20.98 0.71 -0.97	21.61 1.02 -1.33	22.38 1.22 -0.83	24.90 1.74 -0.29	28.62 1.20 -2.91	29.58 1.52 -1.47	31.22 1.94 -1.52	32.23 3.09 -0.02	36.54 3.44 -0.96	37.91 3.50 -1.99	39.68 2.81 -4.52	40.36 2.52 0.28	47.67 2.68 -8.82	52.28 3.21 -8.38	57.72 3.15 -5.39	53.57 2.42 -12.10	43.92 1.64 -10.07	38.34 2.90 -3.27	38.07 3.28 -3.53	31.63 2.66 -0.02	28.96 2.56 -0.02
NORTHPORT____3 23553	26.22 1.19 -5.27	23.56 1.20 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.75 1.16 -1.33	22.53 1.36 -0.83	25.03 1.88 -0.29	28.89 1.47 -2.91	29.85 1.78 -1.47	31.50 2.22 -1.52	32.32 3.18 -0.02	36.68 3.57 -0.97	37.88 3.40 -2.06	40.16 3.30 -4.52	40.84 2.86 0.14	47.89 2.89 -8.83	52.53 3.46 -8.39	58.02 3.44 -5.39	53.81 2.66 -12.11	44.09 1.80 -10.08	38.96 3.41 -3.37	37.65 2.75 -3.64	31.74 2.78 -0.02	29.07 2.66 -0.02
NORTHPORT____4 23650	26.22 1.19 -5.27	23.56 1.20 -2.31	22.41 0.92 -1.40	21.19 0.93 -0.97	21.75 1.16 -1.33	22.53 1.36 -0.83	25.03 1.88 -0.29	28.89 1.47 -2.91	29.85 1.78 -1.47	31.50 2.22 -1.52	32.32 3.18 -0.02	36.68 3.57 -0.97	37.88 3.40 -2.06	40.16 3.30 -4.52	40.84 2.86 0.14	47.89 2.89 -8.83	52.53 3.46 -8.39	58.02 3.44 -5.39	53.81 2.66 -12.11	44.09 1.80 -10.08	38.96 3.41 -3.37	37.65 2.75 -3.64	31.74 2.78 -0.02	29.07 2.66 -0.02
NORTHPORT____IC 23718	26.02 0.99 -5.27	23.38 1.02 -2.31	22.19 0.70 -1.40	20.98 0.71 -0.97	21.61 1.02 -1.33	22.38 1.22 -0.83	24.90 1.74 -0.29	28.62 1.20 -2.91	29.58 1.52 -1.47	31.22 1.94 -1.52	32.23 3.09 -0.02	36.54 3.44 -0.96	37.91 3.50 -1.99	39.68 2.81 -4.52	40.36 2.52 0.28	47.67 2.68 -8.82	52.28 3.21 -8.38	57.72 3.15 -5.39	53.57 2.42 -12.10	43.92 1.64 -10.07	38.34 2.90 -3.27	38.07 3.28 -3.53	31.63 2.66 -0.02	28.96 2.56 -0.02



NORTH__COUNTRY_ESR 323785	19.82 0.06 0.00	20.09 0.04 0.00	20.12 0.04 0.00	19.33 0.04 0.00	19.33 0.06 0.00	20.38 0.04 0.00	22.93 0.07 0.00	24.86 0.34 0.00	27.00 0.40 0.00	28.06 0.31 0.00	29.12 0.00 0.00	32.08 -0.06 0.00	32.23 -0.19 0.00	32.08 -0.26 0.00	37.56 -0.57 0.00	34.51 -1.05 0.61	39.67 -1.02 0.00	48.49 -0.69 0.00	38.14 -0.90 0.00	31.63 -0.58 0.00	31.60 -0.58 0.00	30.73 -0.53 0.00	28.80 -0.14 0.00	26.15 -0.24 0.00
NPX_GEN_1385_PROXY 323591	26.06 1.03 -5.27	23.42 1.06 -2.31	22.23 0.74 -1.40	21.01 0.75 -0.97	21.65 1.06 -1.33	22.42 1.26 -0.83	24.96 1.81 -0.29	28.67 1.25 -2.91	29.63 1.57 -1.47	31.28 2.00 -1.52	32.29 3.15 -0.02	36.54 3.44 -0.96	37.91 3.50 -1.99	40.56 2.88 -5.34	40.44 2.59 0.28	47.58 2.75 -8.66	52.52 3.29 -8.54	57.81 3.25 -5.39	53.64 2.50 -12.10	43.98 1.71 -10.07	38.40 2.96 -3.27	38.14 3.35 -3.53	31.68 2.72 -0.02	29.02 2.61 -0.02
NPX_GEN_CSC 323557	26.22 1.19 -5.27	23.78 1.42 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.97 1.81 -0.83	25.65 2.49 -0.29	28.72 1.30 -2.91	29.74 1.68 -1.47	31.30 2.03 -1.52	33.29 4.13 -0.03	38.46 4.40 -1.91	42.20 4.31 -5.47	53.75 4.08 -17.33	49.25 4.12 -7.01	51.96 4.19 -11.60	75.01 4.84 -29.49	102.04 5.16 -47.70	59.00 4.18 -15.78	51.66 3.03 -16.42	46.87 4.31 -10.38	44.57 4.25 -9.07	32.73 3.76 -0.02	29.92 3.51 -0.02
NSINS_S_GLNS_FALLS 23858	37.44 1.62 -16.05	28.59 1.50 -7.03	25.93 1.57 -4.28	23.66 1.41 -2.96	24.71 1.41 -4.04	24.40 1.55 -2.51	25.38 1.62 -0.89	35.16 1.79 -8.86	33.17 2.13 -4.44	34.58 2.22 -4.60	31.60 2.48 0.00	35.04 2.89 0.00	43.06 3.31 -7.33	51.47 3.33 -15.80	43.65 3.62 -1.90	50.33 3.51 -10.65	69.85 4.07 -25.10	81.11 5.07 -26.86	80.75 3.98 -37.73	67.73 3.32 -32.21	47.54 3.19 -12.17	34.16 2.91 0.00	31.46 2.52 0.00	28.63 2.24 0.00
NUCOR_STEEL__DRP 24197	20.76 0.38 -0.62	20.74 0.42 -0.27	20.69 0.44 -0.17	19.71 0.31 -0.11	19.73 0.31 -0.16	20.90 0.47 -0.10	23.36 0.46 -0.03	25.22 0.37 -0.34	27.58 0.80 -0.18	29.93 0.92 -1.26	31.63 1.16 -1.34	35.49 1.57 -1.77	35.88 1.30 -2.16	36.43 1.36 -2.73	43.03 1.60 -3.30	42.94 1.77 -5.00	47.10 1.91 -4.51	56.66 2.07 -5.42	45.73 1.99 -4.70	36.92 1.38 -3.33	35.65 1.25 -2.22	33.92 1.13 -1.54	30.97 0.81 -1.21	28.00 0.69 -0.93
NUMBER_THREE_WT_PWR 323818	20.34 0.57 0.00	20.61 0.56 0.00	20.64 0.56 0.00	19.79 0.50 0.00	19.69 0.42 0.00	20.95 0.61 0.00	23.60 0.73 0.00	25.25 0.73 0.00	27.27 0.67 0.00	28.92 0.69 -0.47	30.21 0.49 -0.59	33.82 0.90 -0.78	34.03 0.84 -0.77	33.90 0.68 -0.88	40.33 0.88 -1.33	39.02 0.40 -2.45	42.51 0.37 -1.47	51.88 0.89 -1.81	41.04 0.66 -1.33	33.58 0.51 -0.85	33.38 0.48 -0.72	32.90 1.00 -0.64	30.44 0.98 -0.51	27.57 0.79 -0.39
NYISO_LBMP_REFERENCE 24008	19.76 0.00 0.00	20.05 0.00 0.00	20.08 0.00 0.00	19.29 0.00 0.00	19.27 0.00 0.00	20.34 0.00 0.00	22.87 0.00 0.00	24.51 0.00 0.00	26.60 0.00 0.00	27.76 0.00 0.00	29.12 0.00 0.00	32.14 0.00 0.00	32.42 0.00 0.00	32.34 0.00 0.00	38.13 0.00 0.00	36.17 0.00 0.00	40.68 0.00 0.00	49.18 0.00 0.00	39.04 0.00 0.00	32.21 0.00 0.00	32.18 0.00 0.00	31.26 0.00 0.00	28.95 0.00 0.00	26.39 0.00 0.00
NYPA_BRENTWD__GT 24164	26.32 1.28 -5.27	23.70 1.34 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.92 1.33 -1.33	22.71 1.54 -0.83	25.31 2.15 -0.29	29.01 1.59 -2.91	30.01 1.94 -1.47	31.69 2.41 -1.52	32.79 3.64 -0.02	37.34 4.05 -1.15	46.28 4.12 -9.74	43.65 3.53 -7.78	57.16 3.24 -15.79	49.19 3.40 -9.62	58.82 4.03 -14.11	70.25 4.13 -16.94	55.39 3.24 -13.11	46.27 2.25 -11.81	53.09 3.51 -17.40	50.85 3.81 -15.78	32.24 3.24 -0.05	29.50 3.06 -0.05
NYPA_GOWANUS__GT5 24156	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.57 2.77 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NYPA_GOWANUS__GT6 24157	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.34 1.18 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	32.01 2.88 0.00	35.37 3.21 -0.02	38.14 3.31 -2.41	40.66 3.14 -5.19	42.74 3.93 -0.68	49.08 3.83 -9.08	55.01 4.23 -10.09	159.35 5.02 -105.15	88.10 3.94 -45.11	45.57 2.77 -10.59	39.20 2.96 -4.06	34.21 2.84 -0.11	31.34 2.37 -0.02	28.64 2.24 -0.01
NYPA_HARLEM_RVR_GT1 24160	26.20 1.17 -5.27	23.52 1.16 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.60 1.00 -1.33	22.12 0.96 -0.83	24.41 1.26 -0.29	28.66 1.25 -2.90	29.52 1.46 -1.46	31.18 1.91 -1.51	31.83 2.71 0.01	35.11 2.96 -0.01	37.74 2.92 -2.40	40.20 2.68 -5.18	42.25 3.51 -0.62	48.68 3.44 -9.07	54.63 3.87 -10.09	62.54 4.52 -8.84	54.88 3.44 -12.40	45.27 2.48 -10.58	38.65 2.48 -4.00	33.89 2.63 -0.01	31.18 2.23 -0.01	28.48 2.08 -0.01
NYPA_HARLEM_RVR_GT2 24161	26.20 1.17 -5.27	23.52 1.16 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.60 1.00 -1.33	22.12 0.96 -0.83	24.41 1.26 -0.29	28.66 1.25 -2.90	29.52 1.46 -1.46	31.18 1.91 -1.51	31.83 2.71 0.01	35.11 2.96 -0.01	37.74 2.92 -2.40	40.20 2.68 -5.18	42.25 3.51 -0.62	48.68 3.44 -9.07	54.63 3.87 -10.09	62.54 4.52 -8.84	54.88 3.44 -12.40	45.27 2.48 -10.58	38.65 2.48 -4.00	33.89 2.63 -0.01	31.18 2.23 -0.01	28.48 2.08 -0.01
NYPA_KENT__GT 24152	26.24 1.21 -5.27	23.56 1.20 -2.31	22.59 1.10 -1.41	21.38 1.12 -0.98	21.70 1.10 -1.33	22.30 1.14 -0.83	24.62 1.46 -0.29	28.89 1.47 -2.91	29.77 1.70 -1.46	31.44 2.17 -1.52	31.95 2.82 0.00	35.31 3.15 -0.02	38.04 3.21 -2.41	40.57 3.04 -5.19	42.56 3.78 -0.66	48.98 3.73 -9.08	54.88 4.11 -10.09	117.98 4.82 -63.98	74.00 3.83 -31.13	45.51 2.71 -10.59	39.05 2.83 -4.04	34.11 2.78 -0.07	31.25 2.29 -0.01	28.56 2.16 -0.01
NYPA_POUCH1__GT 24155	26.31 1.27 -5.28	23.65 1.28 -2.32	22.68 1.18 -1.41	21.47 1.20 -0.98	21.80 1.20 -1.33	22.38 1.22 -0.83	24.69 1.53 -0.29	28.94 1.52 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.98 2.86 0.00	35.31 3.15 -0.02	38.42 3.24 -2.76	41.58 3.07 -6.16	43.30 3.85 -1.32	48.25 3.76 -8.31	54.91 4.15 -10.08	114.87 4.87 -60.82	71.24 3.87 -28.33	44.42 2.74 -9.48	38.30 2.86 -3.26	34.23 2.81 -0.16	31.31 2.34 -0.02	28.64 2.24 -0.01
NYPA_VERNON__GT2 24162	26.18 1.15 -5.27	23.50 1.14 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.63 1.04 -1.33	22.26 1.10 -0.83	24.60 1.44 -0.29	28.84 1.42 -2.91	29.72 1.65 -1.46	31.39 2.11 -1.52	31.89 2.77 0.00	35.24 3.09 -0.02	37.94 3.11 -2.41	40.44 2.91 -5.19	42.42 3.66 -0.63	48.87 3.62 -9.08	54.80 4.03 -10.09	76.67 4.67 -22.81	59.90 3.71 -17.15	45.38 2.58 -10.59	38.92 2.73 -4.01	33.97 2.69 -0.02	31.15 2.20 -0.01	28.48 2.08 -0.01



NYPA_VERNON____GT3 24163	26.18	23.50	22.53	21.32	21.63	22.26	24.60	28.84	29.72	31.39	31.89	35.24	37.94	40.44	42.42	48.87	54.80	76.67	59.90	45.38	38.92	33.97	31.15	28.48
	1.15	1.14	1.04	1.06	1.04	1.10	1.44	1.42	1.65	2.11	2.77	3.09	3.11	2.91	3.66	3.62	4.03	4.67	3.71	2.58	2.73	2.69	2.20	2.08
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.46	-1.52	0.00	-0.02	-2.41	-5.19	-0.63	-9.08	-10.09	-22.81	-17.15	-10.59	-4.01	-0.02	-0.01	-0.01
NYPA____ASTORIA_CC1 323568	26.14	23.48	22.51	21.30	21.61	22.22	24.55	28.79	29.66	31.33	31.83	35.18	37.84	40.38	42.34	48.76	54.68	62.55	55.04	45.31	38.85	33.89	31.13	28.45
	1.11	1.12	1.02	1.04	1.02	1.06	1.39	1.37	1.60	2.05	2.71	3.02	3.02	2.85	3.58	3.51	3.91	4.52	3.59	2.51	2.67	2.63	2.17	2.06
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.46	-1.52	0.00	-0.02	-2.41	-5.19	-0.63	-9.08	-10.09	-8.85	-12.41	-10.59	-4.00	-0.01	-0.01	-0.01
NYPA____ASTORIA_CC2 323569	26.14	23.48	22.51	21.30	21.61	22.22	24.55	28.79	29.66	31.33	31.83	35.18	37.84	40.38	42.34	48.76	54.68	62.55	55.04	45.31	38.85	33.89	31.13	28.45
	1.11	1.12	1.02	1.04	1.02	1.06	1.39	1.37	1.60	2.05	2.71	3.02	3.02	2.85	3.58	3.51	3.91	4.52	3.59	2.51	2.67	2.63	2.17	2.06
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.46	-1.52	0.00	-0.02	-2.41	-5.19	-0.63	-9.08	-10.09	-8.85	-12.41	-10.59	-4.00	-0.01	-0.01	-0.01
NYPA____HOLTSVILL 23794	26.28	23.70	22.41	21.19	21.92	22.73	25.33	28.89	29.90	31.55	32.82	38.02	41.88	53.04	48.47	51.35	73.77	100.48	58.08	50.89	46.13	43.97	32.15	29.50
	1.25	1.34	0.92	0.93	1.33	1.57	2.17	1.47	1.83	2.28	3.67	3.98	4.02	3.56	3.39	3.47	4.07	4.23	3.32	2.35	3.63	3.69	3.18	3.09
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.91	-1.47	-1.52	-0.03	-1.90	-5.44	-17.14	-6.95	-11.71	-29.02	-47.07	-15.73	-16.33	-10.31	-9.02	-0.02	-0.02
NYPA____HELLGATE_GT1 24158	26.20	23.52	22.51	21.30	21.60	22.12	24.41	28.66	29.52	31.18	31.83	35.11	37.74	40.20	42.25	48.68	54.63	62.54	54.88	45.27	38.65	33.89	31.18	28.48
	1.17	1.16	1.02	1.04	1.00	0.96	1.26	1.25	1.46	1.91	2.71	2.96	2.92	2.68	3.51	3.44	3.87	4.52	3.44	2.48	2.48	2.63	2.23	2.08
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.90	-1.46	-1.51	0.01	-0.01	-2.40	-5.18	-0.62	-9.07	-10.09	-8.84	-12.40	-10.58	-4.00	-0.01	-0.01	-0.01
NYPA____HELLGATE_GT2 24159	26.20	23.52	22.51	21.30	21.60	22.12	24.41	28.66	29.52	31.18	31.83	35.11	37.74	40.20	42.25	48.68	54.63	62.54	54.88	45.27	38.65	33.89	31.18	28.48
	1.17	1.16	1.02	1.04	1.00	0.96	1.26	1.25	1.46	1.91	2.71	2.96	2.92	2.68	3.51	3.44	3.87	4.52	3.44	2.48	2.48	2.63	2.23	2.08
	-5.27	-2.31	-1.40	-0.97	-1.33	-0.83	-0.29	-2.90	-1.46	-1.51	0.01	-0.01	-2.40	-5.18	-0.62	-9.07	-10.09	-8.84	-12.40	-10.58	-4.00	-0.01	-0.01	-0.01
NYS_BARGE____HYD 23848	21.25	20.96	20.88	19.67	19.64	21.07	23.09	24.59	26.53	27.77	29.15	32.78	34.08	34.55	39.82	40.22	44.47	52.95	43.38	35.55	34.21	32.54	29.67	27.07
	0.69	0.56	0.58	0.23	0.17	0.61	0.18	-0.37	-0.29	-0.22	0.03	0.64	1.30	1.42	1.60	2.13	2.52	2.41	2.42	1.71	1.41	1.28	0.72	0.68
	-0.80	-0.35	-0.21	-0.15	-0.20	-0.13	-0.04	-0.44	-0.22	-0.23	0.00	0.00	-0.36	-0.79	-0.09	-1.92	-1.27	-1.36	-1.92	-1.64	-0.62	0.00	0.00	0.00
OAK ORCHARD____HYD 24046	21.00	20.86	20.75	19.67	19.67	20.96	23.22	24.90	26.91	28.24	29.65	33.04	34.03	34.48	39.92	39.99	44.03	52.51	42.72	35.12	33.95	32.51	29.79	27.10
	0.61	0.54	0.50	0.27	0.25	0.53	0.32	0.05	0.13	0.31	0.52	0.90	1.33	1.52	1.72	1.99	2.36	2.26	2.18	1.64	1.29	1.25	0.84	0.71
	-0.62	-0.27	-0.17	-0.11	-0.16	-0.10	-0.03	-0.34	-0.17	-0.18	0.00	0.00	-0.28	-0.61	-0.07	-1.83	-0.99	-1.06	-1.49	-1.27	-0.48	0.00	0.00	0.00
OAKDALE__35_KV_LOAD 356122	22.08	21.30	21.04	20.00	20.06	21.12	23.43	25.86	27.49	29.13	30.26	33.68	35.17	36.16	40.99	41.34	46.82	55.95	46.57	38.06	35.46	32.87	30.18	27.39
	0.45	0.44	0.46	0.37	0.33	0.49	0.46	0.32	0.37	0.39	0.58	0.80	1.20	1.20	1.45	1.56	1.79	1.87	1.80	1.22	1.16	1.00	0.75	0.63
	-1.86	-0.82	-0.50	-0.34	-0.47	-0.29	-0.10	-1.03	-0.52	-0.98	-0.56	-0.73	-1.55	-2.63	-1.42	-3.62	-4.35	-4.90	-5.73	-4.63	-2.13	-0.61	-0.48	-0.37
OCC_CHEM____DRP 24175	20.82	20.50	20.44	19.25	19.22	20.61	22.57	24.03	25.90	27.13	28.66	31.89	33.35	33.77	39.03	39.22	43.48	51.65	42.44	34.81	33.45	31.54	28.92	26.55
	0.24	0.10	0.14	-0.19	-0.25	0.14	-0.34	-0.93	-0.93	-0.86	-0.47	-0.26	0.55	0.61	0.80	1.12	1.51	1.08	1.44	0.93	0.64	0.28	-0.03	0.16
	-0.81	-0.36	-0.22	-0.15	-0.20	-0.13	-0.05	-0.45	-0.23	-0.23	0.00	0.00	-0.38	-0.81	-0.10	-1.93	-1.29	-1.39	-1.95	-1.67	-0.63	0.00	0.00	0.00
OH_GEN_PROXY 24063	20.98	20.70	20.64	19.44	19.43	20.83	22.82	24.34	26.21	27.44	28.78	32.27	33.50	33.94	39.10	39.38	43.86	52.08	42.64	34.95	33.60	31.94	29.18	26.65
	0.42	0.30	0.34	0.00	-0.04	0.37	-0.09	-0.61	-0.61	-0.55	-0.35	0.13	0.71	0.81	0.88	1.45	1.75	1.53	1.68	1.10	0.80	0.69	0.23	0.26
	-0.80	-0.35	-0.21	-0.15	-0.20	-0.13	-0.04	-0.44	-0.22	-0.23	0.00	0.00	-0.37	-0.79	-0.10	-1.76	-1.43	-1.37	-1.93	-1.64	-0.62	0.00	0.00	0.00
OLIN_CORP_DRP 24177	21.02	20.71	20.64	19.44	19.42	20.79	22.80	24.28	26.17	27.39	28.95	32.24	33.74	34.14	39.48	39.66	43.98	52.26	42.97	35.22	33.84	31.88	29.24	26.81
	0.43	0.30	0.34	0.00	-0.06	0.33	-0.11	-0.69	-0.67	-0.61	-0.17	0.10	0.94	0.97	1.26	1.56	1.99	1.67	1.95	1.32	1.03	0.63	0.29	0.42
	-0.83	-0.36	-0.22	-0.15	-0.21	-0.13	-0.05	-0.46	-0.23	-0.24	0.00	0.00	-0.38	-0.82	-0.10	-1.94	-1.31	-1.41	-1.98	-1.69	-0.63	0.00	0.00	0.00
OLIN_CORP_DSASP 323712	20.82	20.52	20.44	19.25	19.22	20.63	22.57	24.03	25.87	27.13	28.42	31.88	33.18	33.63	38.72	39.18	43.28	51.50	42.21	34.62	33.32	31.66	28.89	26.41
	0.24	0.12	0.14	-0.19	-0.25	0.16	-0.34	-0.93	-0.96	-0.86	-0.70	-0.26	0.39	0.49	0.49	1.08	1.30	0.93	1.21	0.74	0.51	0.41	-0.06	0.03
	-0.81	-0.36	-0.22	-0.15	-0.20	-0.13	-0.05	-0.45	-0.23	-0.23	0.00	0.00	-0.37	-0.80	-0.10	-1.93	-1.29	-1.39	-1.95	-1.67	-0.63	0.00	0.00	0.00
ONEIDA_HERK_LFGE 323681	20.28	20.55	20.58	19.75	19.67	20.89	23.53	25.17	27.29	28.73	30.17	33.72	33.98	33.79	40.07	39.18	42.37	51.40	40.78	33.41	33.31	32.70	30.12	27.34
	0.51	0.50	0.50	0.46	0.41	0.55	0.66	0.66	0.69	0.72	0.73	1.16	1.13	0.97	1.22	0.83	0.89	1.23	1.01	0.74	0.74	1.09	0.90	0.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.32	-0.42	-0.42	-0.48	-0.73	-2.18	-0.80	-0.99	-0.73	-0.47	-0.39	-0.35	-0.28	-0.21
ONEIDA____115KV_TB4 55905	20.40	20.67	20.71	19.85	19.77	21.01	23.67	25.30	27.43	28.99	30.55	34.16	34.52	34.45	40.95	40.18	43.35	52.49	41.74	34.06	33.87	33.07	30.39	27.54
	0.63	0.62	0.62	0.56	0.50	0.67	0.80	0.78	0.82	0.89	0.99	1.45	1.52	1.46	1.83	1.48	1.59	1.97	1.72	1.22	1.16	1.34	1.07	0.87
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	-0.44	-0.58	-0.58	-0.65	-0.99	-2.52	-1.09	-1.34	-0.98	-0.63	-0.53	-0.47	-0.37	-0.28



ONONDAGA_REF_OCCRA 23987	20.43 0.12 -0.54	20.41 0.12 -0.24	20.33 0.10 -0.15	19.43 0.04 -0.10	19.42 0.02 -0.14	20.55 0.12 -0.09	22.96 0.07 -0.03	24.81 0.00 -0.30	26.78 0.03 -0.15	28.70 0.03 -0.92	30.23 0.15 -0.96	33.79 0.39 -1.26	34.58 0.65 -1.51	34.96 0.65 -1.97	41.17 0.80 -2.24	41.01 0.90 -3.93	44.90 0.98 -3.24	54.03 0.98 -3.87	43.48 0.98 -3.46	35.35 0.64 -2.50	34.32 0.55 -1.59	32.73 0.44 -1.04	30.00 0.23 -0.82	27.20 0.18 -0.63
ONONDAGA___COGEN 23986	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.44 0.06 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.77 0.03 -0.14	29.10 0.03 -1.31	30.76 0.17 -1.46	34.49 0.42 -1.93	35.32 0.71 -2.19	35.73 0.68 -2.70	42.40 0.84 -3.43	42.19 0.94 -5.08	46.17 1.06 -4.43	55.61 1.08 -5.35	44.60 1.05 -4.50	36.06 0.71 -3.14	34.97 0.61 -2.18	33.35 0.50 -1.59	30.49 0.29 -1.25	27.56 0.21 -0.96
ONTARIO___LFGE 23819	21.13 0.61 -0.76	20.98 0.60 -0.33	20.89 0.60 -0.20	19.83 0.41 -0.14	19.84 0.39 -0.19	21.13 0.67 -0.12	23.50 0.59 -0.04	25.37 0.44 -0.42	27.31 0.50 -0.21	28.91 0.55 -0.59	30.44 0.85 -0.47	34.18 1.41 -0.62	34.71 1.95 -0.34	34.90 1.81 -0.74	40.31 2.10 -0.09	40.42 2.35 -1.89	45.50 2.44 -2.37	54.53 2.60 -2.74	44.42 2.50 -2.88	36.24 1.80 -2.23	34.98 1.64 -1.16	33.33 1.56 -0.51	30.42 1.07 -0.41	27.54 0.84 -0.31
ORANGEVILLE_WT_PWR 323706	21.59 0.83 -1.00	21.23 0.74 -0.44	21.11 0.76 -0.27	19.94 0.46 -0.18	19.90 0.39 -0.25	21.29 0.79 -0.16	23.42 0.50 -0.06	25.14 0.07 -0.55	27.04 0.16 -0.28	28.21 0.17 -0.29	29.59 0.46 0.00	33.17 1.03 0.00	34.53 1.65 -0.46	35.04 1.71 -0.98	40.23 1.98 -0.12	40.61 2.42 -2.01	45.07 2.80 -1.58	53.59 2.70 -1.70	44.17 2.73 -2.39	36.12 1.87 -2.04	34.56 1.61 -0.77	32.76 1.50 0.00	29.90 0.95 0.00	27.23 0.84 0.00
ORANGEVILLE___ESR 323794	21.59 0.83 -1.00	21.23 0.74 -0.44	21.11 0.76 -0.27	19.94 0.46 -0.18	19.90 0.39 -0.25	21.29 0.79 -0.16	23.42 0.50 -0.06	25.14 0.07 -0.55	27.04 0.16 -0.28	28.21 0.17 -0.29	29.59 0.46 0.00	33.17 1.03 0.00	34.53 1.65 -0.46	35.04 1.71 -0.98	40.23 1.98 -0.12	40.61 2.42 -2.01	45.07 2.80 -1.58	53.59 2.70 -1.70	44.17 2.73 -2.39	36.12 1.87 -2.04	34.56 1.61 -0.77	32.76 1.50 0.00	29.90 0.95 0.00	27.23 0.84 0.00
OSWEGATCHIE___HYD 24044	19.96 0.20 0.00	20.25 0.20 0.00	20.28 0.20 0.00	19.44 0.15 0.00	19.37 0.10 0.00	20.54 0.20 0.00	23.16 0.30 0.00	24.86 0.34 0.00	26.89 0.29 0.00	28.39 0.22 -0.41	29.38 -0.26 -0.52	32.76 -0.06 -0.68	32.87 -0.23 -0.67	32.62 -0.48 -0.76	38.67 -0.61 -1.16	36.56 -1.19 -1.58	40.50 -1.46 -1.28	49.83 -0.94 -1.58	39.07 -1.13 -1.16	32.09 -0.87 -0.75	31.91 -0.90 -0.63	31.44 -0.37 -0.56	29.65 0.26 -0.44	26.91 0.19 -0.34
OSWEGO___5 23606	19.53 -0.24 0.00	19.79 -0.26 0.00	19.82 -0.26 0.00	18.98 -0.31 0.00	18.96 -0.31 0.00	20.07 -0.26 0.00	22.52 -0.34 0.00	24.07 -0.44 0.00	26.12 -0.48 0.00	32.04 -0.50 -4.78	34.70 -0.44 -6.01	39.74 -0.32 -7.92	40.02 -0.19 -7.79	40.97 -0.19 -8.82	51.29 -0.23 -13.39	50.77 -0.07 -14.67	55.50 -0.12 -14.94	67.36 -0.29 -18.48	52.55 -0.08 -13.58	40.72 -0.19 -8.71	39.29 -0.26 -7.37	37.59 -0.22 -6.55	33.77 -0.35 -5.17	29.96 -0.37 -3.94
OSWEGO___6 23613	19.53 -0.24 0.00	19.79 -0.26 0.00	19.82 -0.26 0.00	18.98 -0.31 0.00	18.96 -0.31 0.00	20.07 -0.26 0.00	22.52 -0.34 0.00	24.07 -0.44 0.00	26.12 -0.48 0.00	32.04 -0.50 -4.78	34.70 -0.44 -6.01	39.74 -0.32 -7.92	40.02 -0.19 -7.79	40.97 -0.19 -8.82	51.29 -0.23 -13.39	50.77 -0.07 -14.67	55.50 -0.12 -14.94	67.36 -0.29 -18.48	52.55 -0.08 -13.58	40.72 -0.19 -8.71	39.29 -0.26 -7.37	37.59 -0.22 -6.55	33.77 -0.35 -5.17	29.96 -0.37 -3.94
OUTOKUMPU-AB___DRP 24206	21.37 0.77 -0.83	21.05 0.64 -0.37	20.97 0.66 -0.22	19.75 0.31 -0.15	19.71 0.23 -0.21	21.14 0.67 -0.13	23.16 0.25 -0.05	24.73 -0.25 -0.46	26.70 -0.13 -0.23	27.94 -0.06 -0.24	29.56 0.44 0.00	32.98 0.84 0.00	34.52 1.72 -0.39	34.95 1.78 -0.83	40.40 2.17 -0.10	40.57 2.46 -1.94	45.06 3.05 -1.32	53.51 2.90 -1.42	43.93 2.89 -2.00	35.98 2.06 -1.71	34.55 1.74 -0.64	32.54 1.28 0.00	29.79 0.84 0.00	27.28 0.90 0.00
OXBOW____ 24026	21.14 0.55 -0.82	20.85 0.44 -0.36	20.76 0.46 -0.22	19.54 0.10 -0.15	19.51 0.04 -0.21	20.93 0.47 -0.13	22.93 0.02 -0.05	24.45 -0.52 -0.45	26.35 -0.48 -0.23	27.61 -0.39 -0.24	28.95 -0.17 0.00	32.56 0.42 0.00	33.87 1.07 -0.38	34.35 1.20 -0.81	39.52 1.30 -0.10	39.98 1.88 -1.93	44.23 2.24 -1.31	52.65 2.07 -1.41	43.13 2.11 -1.98	35.35 1.45 -1.69	33.97 1.16 -0.64	32.26 1.00 0.00	29.41 0.46 0.00	26.86 0.48 0.00
OXY_CHEM_DSASP 323612	20.82 0.24 -0.81	20.50 0.10 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.61 0.14 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.90 -0.93 -0.23	27.13 -0.86 -0.23	28.66 -0.47 0.00	31.89 -0.26 0.00	33.35 0.55 -0.38	33.77 0.61 -0.81	39.03 0.80 -0.10	39.22 1.12 -1.93	43.48 1.51 -1.29	51.65 1.08 -1.39	42.44 1.44 -1.95	34.81 0.93 -1.67	33.45 0.64 -0.63	31.54 0.28 0.00	28.92 -0.03 0.00	26.55 0.16 0.00
OZONE_PARK_ESR 323760	26.24 1.21 -5.27	23.58 1.22 -2.31	22.61 1.12 -1.40	21.40 1.14 -0.97	21.71 1.12 -1.33	22.38 1.22 -0.83	24.74 1.58 -0.29	28.99 1.57 -2.91	29.85 1.78 -1.46	31.53 2.25 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.57 3.04 -5.19	42.53 3.77 -0.63	49.19 3.94 -9.08	55.05 4.27 -10.09	63.05 4.97 -8.90	55.31 3.79 -12.48	45.60 2.74 -10.66	39.04 2.83 -4.03	33.88 2.63 0.00	31.30 2.34 -0.01	28.55 2.16 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	20.82 0.24 -0.81	20.50 0.10 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.61 0.14 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.90 -0.93 -0.23	27.13 -0.86 -0.23	28.66 -0.47 0.00	31.89 -0.26 0.00	33.35 0.55 -0.38	33.77 0.61 -0.81	39.03 0.80 -0.10	39.22 1.12 -1.93	43.48 1.51 -1.29	51.65 1.08 -1.39	42.44 1.44 -1.95	34.81 0.93 -1.67	33.45 0.64 -0.63	31.54 0.28 0.00	28.92 -0.03 0.00	26.55 0.16 0.00
PACKARD___115KV_DUPONT_184 80571	20.82 0.24 -0.81	20.50 0.10 -0.36	20.44 0.14 -0.22	19.25 -0.19 -0.15	19.22 -0.25 -0.20	20.61 0.14 -0.13	22.57 -0.34 -0.05	24.03 -0.93 -0.45	25.90 -0.93 -0.23	27.13 -0.86 -0.23	28.66 -0.47 0.00	31.89 -0.26 0.00	33.35 0.55 -0.38	33.77 0.61 -0.81	39.03 0.80 -0.10	39.22 1.12 -1.93	43.48 1.51 -1.29	51.65 1.08 -1.39	42.44 1.44 -1.95	34.81 0.93 -1.67	33.45 0.64 -0.63	31.54 0.28 0.00	28.92 -0.03 0.00	26.55 0.16 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	26.22 1.19 -5.27	23.54 1.18 -2.31	22.55 1.06 -1.40	21.34 1.08 -0.97	21.63 1.04 -1.33	22.18 1.02 -0.83	24.46 1.30 -0.29	28.72 1.30 -2.91	29.56 1.49 -1.46	31.22 1.94 -1.52	31.42 2.30 0.00	34.76 2.60 -0.02	37.58 2.76 -2.41	40.12 2.59 -5.19	42.03 3.28 -0.63	48.65 3.40 -9.08	54.40 3.62 -10.09	62.36 4.28 -8.90	54.73 3.20 -12.48	45.05 2.19 -10.66	38.59 2.38 -4.03	33.70 2.44 -0.01	31.18 2.23 -0.01	28.48 2.08 -0.01



PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	26.42 1.38 -5.27	23.76 1.40 -2.31	22.75 1.27 -1.40	21.53 1.27 -0.97	21.81 1.21 -1.33	22.36 1.20 -0.83	24.62 1.46 -0.29	28.89 1.47 -2.91	29.74 1.68 -1.46	31.42 2.14 -1.52	31.63 2.50 0.00	35.15 2.99 -0.02	37.97 3.14 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.94 3.69 -9.08	54.68 3.91 -10.09	62.76 4.67 -8.90	55.04 3.51 -12.48	45.31 2.45 -10.66	38.84 2.64 -4.03	33.95 2.69 -0.01	31.44 2.49 -0.01	28.72 2.32 -0.01
PATROON__115KV_TB1 80586	32.81 0.89 -12.16	26.34 0.96 -5.33	24.30 0.98 -3.24	22.48 0.95 -2.24	23.27 0.94 -3.06	23.22 0.98 -1.90	24.59 1.05 -0.68	32.27 1.05 -6.71	31.06 1.09 -3.37	32.39 1.14 -3.49	30.17 1.05 0.00	33.30 1.16 0.00	39.27 1.30 -5.55	45.57 1.26 -11.96	41.09 1.53 -1.44	46.14 1.45 -8.52	61.32 1.59 -19.05	71.32 1.82 -20.32	69.07 1.48 -28.54	57.74 1.16 -24.37	42.58 1.19 -9.21	32.32 1.06 0.00	29.99 1.04 0.00	27.34 0.95 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	21.51 0.83 -0.92	21.15 0.70 -0.40	21.05 0.72 -0.24	19.84 0.39 -0.17	19.83 0.33 -0.23	21.21 0.73 -0.14	23.33 0.41 -0.05	24.97 -0.05 -0.51	26.94 0.08 -0.26	27.89 -0.14 -0.27	29.47 0.35 0.00	32.88 0.74 0.00	34.53 1.69 -0.42	35.00 1.75 -0.91	40.33 2.10 -0.11	40.54 2.39 -1.98	45.15 3.01 -1.46	53.60 2.85 -1.57	44.17 2.93 -2.20	36.02 1.93 -1.88	34.46 1.58 -0.70	32.38 1.13 0.00	29.61 0.67 0.00	27.05 0.66 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	26.23 1.11 -5.36	23.52 1.12 -2.35	22.58 1.06 -1.43	21.36 1.08 -0.99	21.66 1.04 -1.35	22.30 1.12 -0.84	24.63 1.46 -0.30	28.89 1.42 -2.96	29.66 1.57 -1.49	31.36 2.05 -1.55	31.57 2.45 0.00	34.97 2.83 0.00	38.08 3.21 -2.45	40.82 3.20 -5.28	42.50 3.74 -0.64	49.24 3.98 -9.09	55.43 4.56 -10.19	63.17 4.97 -9.03	55.62 3.90 -12.68	45.80 2.77 -10.82	39.13 2.86 -4.09	33.79 2.53 0.00	31.03 2.08 0.00	28.31 1.93 0.00
PEEKSKILL____ 23653	25.87 0.89 -5.21	23.25 0.92 -2.28	22.31 0.84 -1.39	21.14 0.89 -0.96	21.45 0.87 -1.31	22.09 0.94 -0.82	24.39 1.23 -0.29	28.57 1.18 -2.88	29.35 1.30 -1.45	30.93 1.67 -1.50	31.40 2.27 0.00	34.68 2.54 0.00	37.40 2.59 -2.38	40.00 2.52 -5.13	41.87 3.13 -0.62	48.32 3.15 -9.01	54.22 3.54 -10.00	61.81 3.88 -8.74	54.48 3.16 -12.28	44.91 2.22 -10.48	38.42 2.28 -3.96	33.41 2.16 0.00	30.65 1.71 0.00	28.05 1.66 0.00
PGE MADISON__WINDPWR 24146	23.45 1.86 -1.83	22.75 1.91 -0.80	22.50 1.93 -0.49	21.34 1.72 -0.34	21.31 1.58 -0.46	22.62 1.99 -0.29	25.30 2.33 -0.10	27.88 2.35 -1.01	29.40 2.29 -0.51	31.24 2.44 -1.04	32.44 2.68 -0.64	36.74 3.76 -0.84	37.85 3.79 -1.64	38.80 3.75 -2.71	44.34 4.61 -1.60	43.83 3.91 -3.75	49.61 3.94 -4.98	59.62 4.82 -5.61	49.99 4.37 -6.57	40.90 3.38 -5.31	37.93 3.31 -2.44	35.76 3.81 -0.69	32.56 3.07 -0.55	29.42 2.61 -0.42
PIERCEFIELD__HYD 23852	19.61 -0.16 0.00	19.89 -0.16 0.00	19.90 -0.18 0.00	19.10 -0.19 0.00	19.08 -0.19 0.00	20.15 -0.18 0.00	22.75 -0.11 0.00	24.54 0.02 0.00	26.57 -0.03 0.00	27.85 -0.14 -0.23	29.13 -0.29 -0.29	31.85 -0.67 -0.39	31.64 -1.17 -0.38	31.23 -1.55 -0.44	36.84 -1.94 -0.66	34.03 -2.68 -0.53	38.32 -3.09 -0.73	47.53 -2.56 -0.90	36.80 -2.81 -0.57	30.38 -2.19 -0.36	30.26 -2.22 -0.31	29.90 -1.63 -0.27	28.70 -0.46 -0.21	26.16 -0.40 -0.16
PINELAWN_CC_1 323563	26.28 1.25 -5.27	23.62 1.26 -2.31	22.45 0.96 -1.40	21.21 0.94 -0.97	21.83 1.23 -1.33	22.61 1.44 -0.83	25.15 1.99 -0.29	28.94 1.52 -2.91	29.93 1.86 -1.47	31.58 2.30 -1.52	32.49 3.35 -0.02	36.85 3.69 -1.01	39.65 3.76 -3.47	41.85 3.46 -6.05	43.97 3.05 -2.79	48.55 3.15 -9.24	55.60 3.58 -11.34	64.16 3.64 -11.34	54.52 2.85 -12.63	45.30 2.13 -10.97	41.73 3.57 -5.98	40.57 3.44 -5.87	31.95 2.98 -0.02	29.26 2.85 -0.02
PJM_GEN_HTP_PROXY 323702	26.04 1.01 -5.27	23.38 1.02 -2.31	22.43 0.94 -1.40	21.23 0.96 -0.97	21.56 0.96 -1.33	22.22 1.06 -0.83	24.53 1.37 -0.29	28.77 1.35 -2.91	29.61 1.54 -1.46	31.22 1.94 -1.52	31.72 2.59 0.00	35.05 2.89 -0.02	37.75 2.92 -2.41	40.31 2.78 -5.19	42.26 3.51 -0.63	48.57 3.47 -8.92	54.92 3.99 -10.25	62.36 4.33 -8.85	54.96 3.52 -12.41	45.31 2.51 -10.59	38.76 2.58 -4.00	33.70 2.44 0.00	30.95 2.00 -0.01	28.31 1.93 0.00
PJM_GEN_KEystone 24065	23.60 0.57 -3.26	21.50 0.54 -0.91	20.45 0.52 0.15	19.70 0.41 0.00	20.40 0.39 -0.75	21.44 0.59 -0.51	23.64 0.59 -0.18	25.90 0.37 -1.02	26.40 0.42 0.62	29.03 0.55 -0.72	30.37 1.02 -0.22	33.82 1.38 -0.29	35.48 1.62 -1.44	37.02 1.62 -3.06	40.44 2.02 -0.29	43.80 2.17 -5.46	50.00 2.52 -6.79	57.86 2.56 -6.12	49.30 2.34 -7.92	40.41 1.48 -6.72	36.23 1.41 -2.64	32.84 1.34 -0.24	30.04 0.90 -0.19	27.40 0.87 -0.15
PJM_GEN_NEPTUNE_PROXY 323594	26.02 0.99 -5.27	23.36 1.00 -2.31	22.23 0.74 -1.40	21.01 0.75 -0.97	21.58 0.98 -1.33	22.30 1.14 -0.83	24.78 1.62 -0.29	28.65 1.23 -2.91	29.55 1.49 -1.47	31.22 1.94 -1.52	31.91 2.77 -0.02	36.18 3.12 -0.92	38.06 3.21 -2.43	40.43 2.91 -5.18	41.61 2.86 -0.63	48.04 2.97 -8.91	54.43 3.50 -10.25	61.57 3.54 -8.84	54.18 2.73 -12.41	44.70 1.90 -10.59	39.13 2.93 -4.03	38.20 2.72 -4.22	31.31 2.34 -0.02	28.73 2.32 -0.02
PJM_GEN_VFT_PROXY 323633	25.94 0.91 -5.27	23.26 0.90 -2.31	22.31 0.82 -1.40	21.11 0.85 -0.97	21.44 0.85 -1.33	22.08 0.92 -0.83	24.39 1.23 -0.29	28.64 1.23 -2.91	29.47 1.41 -1.46	31.11 1.83 -1.52	31.60 2.47 0.00	34.92 2.76 -0.02	36.87 2.79 -1.66	38.06 2.65 -3.06	40.74 3.32 0.70	46.74 3.33 -7.24	54.68 3.78 -10.21	61.57 4.13 -8.26	50.83 3.36 -8.43	42.74 2.38 -8.15	36.92 2.44 -2.30	33.57 2.31 0.00	30.86 1.91 -0.01	28.21 1.82 0.00
PLATSBRG_115KV_PMLD1 355749	20.10 0.34 0.00	20.39 0.34 0.00	20.42 0.34 0.00	19.58 0.29 0.00	19.60 0.33 0.00	20.68 0.35 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.40 0.80 0.00	28.48 0.72 0.00	29.85 0.73 0.00	32.82 0.67 0.00	32.81 0.39 0.00	32.70 0.36 0.00	38.20 0.08 0.00	35.04 -0.47 0.66	40.44 -0.24 0.00	49.33 0.15 0.00	38.85 -0.20 0.00	32.11 -0.10 0.00	32.05 -0.13 0.00	31.35 0.09 0.00	29.24 0.29 0.00	26.55 0.16 0.00
PLEASANTVLY__LBMP 24000	26.21 0.93 -5.52	23.41 0.94 -2.42	22.44 0.88 -1.47	21.21 0.91 -1.02	21.56 0.91 -1.39	22.16 0.96 -0.86	24.41 1.23 -0.31	28.73 1.18 -3.04	29.44 1.30 -1.53	30.96 1.61 -1.59	30.93 1.81 0.00	34.14 1.99 0.00	37.15 2.20 -2.52	39.91 2.13 -5.43	41.41 2.63 -0.65	48.21 2.71 -9.33	54.20 3.01 -10.51	61.71 3.25 -9.28	54.65 2.58 -13.03	45.14 1.80 -11.13	38.31 1.93 -4.21	33.01 1.75 0.00	30.51 1.56 0.00	27.84 1.45 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	26.08 1.01 -5.31	23.41 1.04 -2.33	22.46 0.96 -1.41	21.23 0.96 -0.98	21.57 0.96 -1.33	22.23 1.06 -0.83	24.51 1.35 -0.30	28.74 1.30 -2.93	29.54 1.46 -1.48	31.12 1.83 -1.53	31.31 2.18 0.00	34.59 2.44 0.00	37.54 2.69 -2.42	40.22 2.65 -5.22	42.04 3.28 -0.63	48.71 3.44 -9.10	54.62 3.78 -10.16	62.36 4.23 -8.95	54.89 3.28 -12.57	45.23 2.29 -10.73	38.65 2.41 -4.06	33.41 2.16 0.00	30.83 1.88 0.00	28.13 1.74 0.00



PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	26.08 1.01 -5.31	23.41 1.04 -2.33	22.46 0.96 -1.41	21.23 0.96 -0.98	21.57 0.96 -1.33	22.23 1.06 -0.83	24.51 1.35 -0.30	28.74 1.30 -2.93	29.54 1.46 -1.48	31.12 1.83 -1.53	31.31 2.18 0.00	34.59 2.44 0.00	37.54 2.69 -2.42	40.22 2.65 -5.22	42.04 3.28 -0.63	48.71 3.44 -9.10	54.62 3.78 -10.16	62.36 4.23 -8.95	54.89 3.28 -12.57	45.23 2.29 -10.73	38.65 2.41 -4.06	33.41 2.16 0.00	30.83 1.88 0.00	28.13 1.74 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	26.32 1.05 -5.51	23.52 1.06 -2.41	22.55 1.00 -1.47	21.31 1.00 -1.02	21.66 1.00 -1.39	22.28 1.08 -0.86	24.54 1.37 -0.31	28.90 1.35 -3.04	29.62 1.49 -1.53	31.18 1.83 -1.59	31.22 2.10 0.00	34.49 2.35 0.00	37.43 2.50 -2.52	40.22 2.46 -5.42	41.75 2.97 -0.65	48.23 3.00 -9.06	54.53 3.50 -10.35	62.03 3.59 -9.26	55.01 2.97 -13.00	45.31 2.00 -11.10	38.46 2.09 -4.20	33.23 1.97 0.00	30.65 1.71 0.00	27.94 1.56 0.00
POLETTI____ 23519	26.04 1.01 -5.27	23.38 1.02 -2.31	22.41 0.92 -1.40	21.23 0.96 -0.97	21.54 0.94 -1.33	22.18 1.02 -0.83	24.51 1.35 -0.29	28.74 1.32 -2.91	29.58 1.52 -1.46	31.19 1.92 -1.52	31.40 2.27 0.00	34.70 2.54 -0.02	37.55 2.72 -2.41	40.12 2.59 -5.19	41.99 3.24 -0.63	48.65 3.40 -9.08	54.48 3.70 -10.09	62.26 4.18 -8.90	54.73 3.20 -12.48	45.12 2.25 -10.66	38.55 2.35 -4.03	33.44 2.19 0.00	30.92 1.97 -0.01	28.23 1.85 0.00
PORT_JEFF_3 23555	26.34 1.30 -5.27	23.74 1.38 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.98 1.39 -1.33	22.79 1.63 -0.83	25.40 2.24 -0.29	28.97 1.55 -2.91	29.98 1.92 -1.47	31.64 2.36 -1.52	32.94 3.78 -0.03	38.20 4.12 -1.94	42.02 4.15 -5.45	53.59 3.62 -17.63	48.49 3.39 -6.97	51.39 3.40 -11.82	74.47 3.99 -29.80	101.91 4.08 -48.65	58.11 3.20 -15.86	51.09 2.32 -16.56	46.21 3.67 -10.37	44.05 3.75 -9.04	32.24 3.27 -0.02	29.55 3.14 -0.02
PORT_JEFF_4 23616	26.34 1.30 -5.27	23.74 1.38 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.98 1.39 -1.33	22.79 1.63 -0.83	25.40 2.24 -0.29	28.97 1.55 -2.91	29.98 1.92 -1.47	31.64 2.36 -1.52	32.94 3.78 -0.03	38.20 4.12 -1.94	42.02 4.15 -5.45	53.59 3.62 -17.63	48.49 3.39 -6.97	51.39 3.40 -11.82	74.47 3.99 -29.80	101.91 4.08 -48.65	58.11 3.20 -15.86	51.09 2.32 -16.56	46.21 3.67 -10.37	44.05 3.75 -9.04	32.24 3.27 -0.02	29.55 3.14 -0.02
PORT_JEFF_IC 23713	26.38 1.34 -5.27	23.80 1.44 -2.31	22.49 1.00 -1.40	21.26 1.00 -0.97	22.02 1.43 -1.33	22.85 1.69 -0.83	25.47 2.31 -0.29	29.01 1.59 -2.91	30.03 1.97 -1.47	31.69 2.41 -1.52	33.03 3.87 -0.03	38.44 4.21 -2.09	42.08 4.25 -5.42	55.52 3.72 -19.46	48.67 3.62 -6.92	51.94 3.55 -12.22	77.44 4.07 -32.69	107.84 4.18 -54.48	58.69 3.28 -16.37	52.16 2.51 -17.44	46.48 3.86 -10.44	44.10 3.84 -9.00	32.33 3.36 -0.02	29.63 3.22 -0.02
PPL PILGRIM_ST_GT1 24216	26.32 1.28 -5.27	23.70 1.34 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.92 1.33 -1.33	22.71 1.54 -0.83	25.31 2.15 -0.29	29.01 1.59 -2.91	30.01 1.94 -1.47	31.69 2.41 -1.52	32.79 3.64 -0.02	37.34 4.05 -1.15	46.28 4.12 -9.74	43.65 3.53 -7.78	57.16 3.24 -15.79	49.19 3.40 -9.62	58.82 4.03 -14.11	70.25 4.13 -16.94	55.39 3.24 -13.11	46.27 2.25 -11.81	53.09 3.51 -17.40	50.85 3.81 -15.78	32.24 3.24 -0.05	29.50 3.06 -0.05
PPL PILGRIM_ST_GT2 24217	26.32 1.28 -5.27	23.70 1.34 -2.31	22.47 0.98 -1.40	21.25 0.98 -0.97	21.92 1.33 -1.33	22.71 1.54 -0.83	25.31 2.15 -0.29	29.01 1.59 -2.91	30.01 1.94 -1.47	31.69 2.41 -1.52	32.79 3.64 -0.02	37.34 4.05 -1.15	46.28 4.12 -9.74	43.65 3.53 -7.78	57.16 3.24 -15.79	49.19 3.40 -9.62	58.82 4.03 -14.11	70.25 4.13 -16.94	55.39 3.24 -13.11	46.27 2.25 -11.81	53.09 3.51 -17.40	50.85 3.81 -15.78	32.24 3.24 -0.05	29.50 3.06 -0.05
PPL_SHRM_GT3 24213	26.22 1.19 -5.27	23.76 1.40 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.95 1.79 -0.83	25.65 2.49 -0.29	28.72 1.30 -2.91	29.74 1.68 -1.47	31.30 2.03 -1.52	33.29 4.13 -0.03	38.50 4.40 -1.96	42.24 4.35 -5.48	54.28 4.08 -17.86	49.24 4.08 -7.03	52.23 4.19 -11.87	75.68 4.84 -30.16	103.76 5.21 -49.37	59.19 4.22 -15.93	51.91 3.03 -16.67	46.89 4.28 -10.43	44.56 4.22 -9.08	32.71 3.74 -0.02	29.92 3.51 -0.02
PPL_SHRM_GT4 24214	26.22 1.19 -5.27	23.76 1.40 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.95 1.79 -0.83	25.65 2.49 -0.29	28.72 1.30 -2.91	29.74 1.68 -1.47	31.30 2.03 -1.52	33.29 4.13 -0.03	38.50 4.40 -1.96	42.24 4.35 -5.48	54.28 4.08 -17.86	49.24 4.08 -7.03	52.23 4.19 -11.87	75.68 4.84 -30.16	103.76 5.21 -49.37	59.19 4.22 -15.93	51.91 3.03 -16.67	46.89 4.28 -10.43	44.56 4.22 -9.08	32.71 3.74 -0.02	29.92 3.51 -0.02
PROJECT____ORANGE 1 24174	20.27 0.08 -0.43	20.29 0.06 -0.19	20.26 0.06 -0.11	19.35 -0.02 -0.08	19.36 -0.02 -0.11	20.47 0.06 -0.07	22.89 0.00 -0.02	24.67 -0.07 -0.24	26.67 -0.05 -0.12	28.45 -0.06 -0.75	29.97 0.06 -0.79	33.44 0.26 -1.04	34.18 0.52 -1.24	34.49 0.55 -1.60	40.62 0.65 -1.84	40.43 0.76 -3.50	44.17 0.85 -2.63	53.11 0.79 -3.15	42.66 0.82 -2.80	34.74 0.52 -2.01	33.89 0.42 -1.29	32.42 0.31 -0.85	29.74 0.12 -0.67	26.98 0.08 -0.51
PROJECT____ORANGE 2 24166	20.27 0.08 -0.43	20.29 0.06 -0.19	20.26 0.06 -0.11	19.35 -0.02 -0.08	19.36 -0.02 -0.11	20.47 0.06 -0.07	22.89 0.00 -0.02	24.67 -0.07 -0.24	26.67 -0.05 -0.12	28.45 -0.06 -0.75	29.97 0.06 -0.79	33.44 0.26 -1.04	34.18 0.52 -1.24	34.49 0.55 -1.60	40.62 0.65 -1.84	40.43 0.76 -3.50	44.17 0.85 -2.63	53.11 0.79 -3.15	42.66 0.82 -2.80	34.74 0.52 -2.01	33.89 0.42 -1.29	32.42 0.31 -0.85	29.74 0.12 -0.67	26.98 0.08 -0.51
PUCKETT____SOLAR 323809	22.51 0.81 -1.93	21.70 0.80 -0.85	21.42 0.82 -0.51	20.34 0.69 -0.36	20.41 0.66 -0.49	21.49 0.85 -0.30	23.86 0.89 -0.11	26.34 0.76 -1.07	27.88 0.74 -0.54	29.52 0.75 -1.01	30.62 0.93 -0.57	34.30 1.41 -0.75	35.57 1.56 -1.59	36.60 1.55 -2.71	41.48 1.91 -1.45	41.75 1.92 -3.66	47.48 2.11 -4.68	56.86 2.41 -5.27	47.61 2.34 -6.23	38.96 1.71 -5.05	36.14 1.67 -2.29	33.62 1.75 -0.62	30.71 1.27 -0.49	27.87 1.11 -0.37
PYRITES____HYD 24023	19.76 0.00 0.00	20.07 0.02 0.00	20.10 0.02 0.00	19.27 -0.02 0.00	19.21 -0.06 0.00	20.34 0.00 0.00	22.96 0.09 0.00	24.76 0.25 0.00	26.79 0.19 0.00	28.11 0.14 -0.21	29.39 0.00 -0.27	32.20 -0.29 -0.35	31.99 -0.78 -0.35	31.54 -1.20 -0.40	37.24 -1.49 -0.60	34.30 -2.28 -0.40	38.78 -2.56 -0.66	48.13 -1.87 -0.82	37.34 -2.23 -0.52	30.83 -1.71 -0.33	30.75 -1.71 -0.28	30.41 -1.09 -0.25	29.09 -0.06 -0.20	26.49 -0.05 -0.15
QUAKERRD_115KV_BK1 80622	20.36 0.00 -0.60	20.23 -0.08 -0.26	20.14 -0.10 -0.16	19.15 -0.25 -0.11	19.15 -0.27 -0.15	20.35 -0.08 -0.09	22.62 -0.27 -0.03	24.33 -0.51 -0.33	26.29 -0.48 -0.17	27.54 -0.39 -0.17	29.01 -0.12 0.00	32.21 0.06 0.00	33.19 0.49 -0.28	33.52 0.58 -0.60	38.89 0.69 -0.07	38.83 0.83 -1.83	42.77 1.14 -0.95	51.03 0.84 -1.02	41.52 1.05 -1.43	34.17 0.74 -1.22	33.09 0.45 -0.46	31.54 0.28 0.00	28.98 0.03 0.00	26.39 0.00 0.00



QUENSBRY_I15KV_TB8 356137	37.51 1.64 -16.11	28.61 1.50 -7.06	25.96 1.59 -4.29	23.69 1.43 -2.97	24.73 1.41 -4.05	24.43 1.57 -2.52	25.41 1.65 -0.90	35.21 1.81 -8.89	33.27 2.21 -4.46	34.66 2.28 -4.62	31.69 2.56 0.00	35.13 2.99 0.00	43.18 3.40 -7.36	51.69 3.49 -15.85	43.81 3.77 -1.91	50.50 3.65 -10.68	70.09 4.23 -25.18	81.39 5.26 -26.95	81.07 4.18 -37.86	67.97 3.45 -32.32	47.71 3.31 -12.22	34.26 3.00 0.00	31.55 2.61 0.00	28.68 2.30 0.00
RAMAPO____LBMP 323565	25.61 0.79 -5.06	23.08 0.82 -2.22	22.17 0.74 -1.35	21.01 0.79 -0.93	21.33 0.79 -1.27	21.98 0.85 -0.79	24.24 1.10 -0.28	28.31 1.01 -2.79	29.12 1.12 -1.41	30.66 1.44 -1.46	30.90 1.78 0.00	34.14 1.99 0.00	36.94 2.20 -2.31	39.49 2.17 -4.98	41.40 2.67 -0.60	47.80 2.79 -8.84	53.51 3.09 -9.74	61.02 3.30 -8.54	53.69 2.65 -12.00	44.19 1.74 -10.24	37.91 1.87 -3.87	32.94 1.69 0.00	30.39 1.45 0.00	27.79 1.40 0.00
RANKINE____ 23646	21.57 0.91 -0.89	21.22 0.78 -0.39	21.12 0.80 -0.24	19.92 0.46 -0.16	19.88 0.39 -0.22	21.29 0.81 -0.14	23.37 0.46 -0.05	25.00 0.00 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.71 0.58 0.00	33.17 1.03 0.00	34.78 1.95 -0.41	35.20 1.97 -0.89	40.67 2.44 -0.11	40.85 2.71 -1.97	45.43 3.34 -1.42	53.90 3.20 -1.52	44.38 3.20 -2.14	36.26 2.22 -1.83	34.73 1.87 -0.69	32.69 1.44 0.00	29.93 0.98 0.00	27.36 0.98 0.00
RAVENSWOOD_GT2_1 24244	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.79 2.61 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT2_2 24245	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.79 2.61 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT2_3 24246	26.10 1.07 -5.27	23.44 1.08 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.28 2.00 -1.52	31.78 2.65 0.00	35.11 2.96 -0.02	37.81 2.98 -2.41	40.38 2.85 -5.19	42.30 3.55 -0.63	48.80 3.55 -9.08	54.76 3.99 -10.09	62.50 4.47 -8.85	55.04 3.59 -12.41	45.34 2.54 -10.59	38.82 2.64 -4.00	33.79 2.53 0.00	31.04 2.09 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT2_4 24247	26.10 1.07 -5.27	23.44 1.08 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.28 2.00 -1.52	31.78 2.65 0.00	35.11 2.96 -0.02	37.81 2.98 -2.41	40.38 2.85 -5.19	42.30 3.55 -0.63	48.80 3.55 -9.08	54.76 3.99 -10.09	62.50 4.47 -8.85	55.04 3.59 -12.41	45.34 2.54 -10.59	38.82 2.64 -4.00	33.79 2.53 0.00	31.04 2.09 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT3_1 24248	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.79 2.61 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT3_2 24249	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.79 2.61 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT3_3 24250	26.12 1.09 -5.27	23.46 1.10 -2.31	22.49 1.00 -1.40	21.28 1.02 -0.97	21.62 1.02 -1.33	22.26 1.10 -0.83	24.60 1.44 -0.29	28.84 1.42 -2.91	29.69 1.62 -1.46	31.30 2.03 -1.52	31.51 2.39 0.00	34.83 2.67 -0.02	37.71 2.89 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.63	48.83 3.58 -9.08	54.68 3.91 -10.09	62.51 4.43 -8.90	54.92 3.63 -12.48	45.25 2.38 -10.66	38.71 2.51 -4.03	33.60 2.34 0.00	31.04 2.08 -0.01	28.34 1.95 0.00
RAVENSWOOD_GT3_4 24251	26.12 1.09 -5.27	23.46 1.10 -2.31	22.49 1.00 -1.40	21.28 1.02 -0.97	21.61 1.02 -1.33	22.26 1.10 -0.83	24.60 1.44 -0.29	28.84 1.42 -2.91	29.69 1.62 -1.46	31.33 2.05 -1.52	31.80 2.68 0.00	35.15 2.99 -0.02	37.84 3.02 -2.41	40.41 2.88 -5.19	42.38 3.62 -0.63	48.83 3.58 -9.08	54.80 4.03 -10.09	62.55 4.52 -8.85	55.08 3.63 -12.41	45.38 2.58 -10.59	38.85 2.67 -4.00	33.82 2.56 0.00	31.07 2.11 -0.01	28.39 2.00 0.00
RAVENSWOOD_GT_1 23729	26.18 1.15 -5.27	23.50 1.14 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.63 1.04 -1.33	22.26 1.10 -0.83	24.60 1.44 -0.29	28.84 1.42 -2.91	29.72 1.65 -1.46	31.39 2.11 -1.52	31.89 2.77 0.00	35.24 3.09 -0.02	37.94 3.11 -2.41	40.44 2.91 -5.19	42.42 3.66 -0.63	48.87 3.62 -9.08	54.80 4.03 -10.09	76.67 4.67 -22.81	59.90 3.71 -17.15	45.38 2.58 -10.59	38.92 2.73 -4.01	33.97 2.69 -0.02	31.15 2.20 -0.01	28.48 2.08 -0.01
RAVENSWOOD_GT_10 24258	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.48 2.36 0.00	34.76 2.60 -0.02	37.65 2.82 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.76 3.51 -9.08	54.60 3.82 -10.09	62.41 4.33 -8.90	54.84 3.32 -12.48	45.18 2.32 -10.66	38.65 2.45 -4.03	33.54 2.28 0.00	31.01 2.06 -0.01	28.29 1.90 0.00
RAVENSWOOD_GT_11 24259	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.79 2.61 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD_GT_4 24252	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.27 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.25 1.97 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.72 3.47 -9.08	54.60 3.82 -10.09	73.05 4.33 -19.54	58.42 3.28 -16.09	45.18 2.32 -10.66	38.66 2.45 -4.03	33.51 2.25 -0.01	30.98 2.03 -0.01	28.28 1.90 0.01



RAVENSWOOD_GT_5 24254	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.27 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.25 1.97 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.72 3.47 -9.08	54.60 3.82 -10.09	73.05 4.33 -19.54	58.42 3.28 -16.09	45.18 2.32 -10.66	38.66 2.45 -4.03	33.51 2.25 -0.01	30.98 2.03 -0.01	28.28 1.90 0.01
RAVENSWOOD_GT_6 24253	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.27 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.25 1.97 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.72 3.47 -9.08	54.60 3.82 -10.09	73.05 4.33 -19.54	58.42 3.28 -16.09	45.18 2.32 -10.66	38.66 2.45 -4.03	33.51 2.25 -0.01	30.98 2.03 -0.01	28.28 1.90 0.01
RAVENSWOOD_GT_7 24255	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.27 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.25 1.97 -1.52	31.45 2.33 0.00	34.76 2.60 -0.02	37.62 2.79 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.72 3.47 -9.08	54.60 3.82 -10.09	73.05 4.33 -19.54	58.42 3.28 -16.09	45.18 2.32 -10.66	38.66 2.45 -4.03	33.51 2.25 -0.01	30.98 2.03 -0.01	28.28 1.90 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.48 2.36 0.00	34.76 2.60 -0.02	37.65 2.82 -2.41	40.21 2.68 -5.19	42.11 3.36 -0.63	48.76 3.51 -9.08	54.60 3.82 -10.09	62.41 4.33 -8.90	54.84 3.32 -12.48	45.18 2.32 -10.66	38.65 2.45 -4.03	33.54 2.28 0.00	31.01 2.06 -0.01	28.29 1.90 0.00
RAVENSWOOD_GT_9 24257	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.58 0.98 -1.33	22.22 1.06 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.79 2.61 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD___1 23533	26.16 1.13 -5.27	23.50 1.14 -2.31	22.53 1.04 -1.40	21.32 1.06 -0.97	21.63 1.04 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.69 1.62 -1.46	31.36 2.08 -1.52	31.86 2.74 0.00	35.21 3.06 -0.02	37.91 3.08 -2.41	40.44 2.91 -5.19	42.41 3.66 -0.63	48.83 3.58 -9.08	54.76 3.99 -10.09	62.65 4.62 -8.85	55.12 3.67 -12.41	45.38 2.58 -10.59	38.88 2.70 -4.00	33.92 2.66 -0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
RAVENSWOOD___2 23534	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.69 1.62 -1.46	31.33 2.05 -1.52	31.86 2.74 0.00	35.21 3.06 -0.02	37.87 3.05 -2.41	40.41 2.88 -5.19	42.38 3.62 -0.63	48.83 3.58 -9.08	54.76 3.99 -10.09	62.65 4.62 -8.85	55.12 3.67 -12.41	45.38 2.58 -10.59	38.88 2.70 -4.00	33.92 2.66 -0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
RAVENSWOOD___3 23535	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.55 1.39 -0.29	28.79 1.37 -2.91	29.63 1.57 -1.46	31.28 2.00 -1.52	31.75 2.62 0.00	35.08 2.92 -0.02	37.78 2.95 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.76 3.51 -9.08	54.72 3.94 -10.09	62.46 4.43 -8.85	55.00 3.55 -12.41	45.31 2.51 -10.59	38.82 2.64 -4.00	33.76 2.50 0.00	31.01 2.06 -0.01	28.37 1.98 0.00
RAVENSWOOD___4 23820	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.32	22.24 1.08 -0.83	24.55 1.39 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.83 2.71 0.00	35.18 3.02 -0.02	37.87 3.05 -2.41	40.41 2.88 -5.19	42.37 3.62 -0.62	48.83 3.58 -9.08	54.72 3.94 -10.09	48.90 4.62 4.90	50.45 3.67 -7.74	45.34 2.54 -10.59	38.88 2.70 -4.00	33.87 2.63 0.01	31.13 2.17 -0.01	28.45 2.06 -0.01
RCPL_TRUST___DRP 24196	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.28 2.00 -1.52	31.48 2.36 0.00	34.79 2.64 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.15 3.39 -0.63	48.83 3.58 -9.08	54.68 3.91 -10.09	62.46 4.38 -8.90	54.84 3.32 -12.48	45.28 2.42 -10.66	38.65 2.45 -4.03	33.54 2.28 0.00	30.98 2.03 -0.01	28.29 1.90 0.00
RED___ROCHESTER 323720	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.10 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.34 -0.17	28.46 0.53 -0.18	29.91 0.79 0.00	33.36 1.22 0.00	34.36 1.65 -0.28	34.83 1.88 -0.61	40.33 2.13 -0.07	40.39 2.39 -1.83	44.47 2.80 -0.98	52.99 2.75 -1.06	43.10 2.58 -1.48	35.47 2.00 -1.27	34.26 1.61 -0.48	32.82 1.56 0.00	30.05 1.10 0.00	27.34 0.95 0.00
REGAN___SOLAR 323812	37.58 2.63 -15.19	29.15 2.44 -6.66	26.62 2.49 -4.05	24.35 2.26 -2.80	25.32 2.23 -3.82	25.28 2.56 -2.38	26.43 2.72 -0.85	35.69 2.79 -8.38	33.80 2.95 -4.25	34.99 2.83 -4.40	32.30 3.18 0.00	36.87 4.73 0.00	44.51 5.16 -6.94	51.40 4.11 -14.95	44.58 4.65 -1.80	51.03 4.85 -10.02	69.86 5.57 -23.61	81.58 7.08 -25.32	80.61 6.01 -35.56	67.65 5.09 -30.36	48.83 5.18 -11.48	36.29 5.03 0.00	33.20 4.26 0.00	30.11 3.72 0.00
RENSSELAER___COGEN 23796	31.25 0.77 -10.71	25.58 0.84 -4.69	23.80 0.86 -2.85	22.11 0.85 -1.98	22.81 0.85 -2.69	22.87 0.85 -1.68	24.42 0.96 -0.60	31.36 0.93 -5.91	30.47 0.90 -2.96	31.77 0.94 -3.07	30.06 0.93 0.00	33.17 1.03 0.00	38.25 0.94 -4.89	43.79 0.90 -10.54	40.54 1.14 -1.27	44.95 1.05 -7.73	58.67 1.18 -16.81	68.42 1.33 -17.91	65.29 1.09 -25.16	54.52 0.84 -21.48	41.20 0.90 -8.12	32.16 0.91 0.00	29.81 0.87 0.00	27.21 0.82 0.00
REPUBLIC_115KV_BARTNBRK 55605	38.86 3.04 -16.05	29.85 2.77 -7.03	27.27 2.91 -4.28	24.87 2.62 -2.96	25.89 2.58 -4.04	25.80 2.95 -2.51	26.80 3.04 -0.89	36.92 3.55 -8.86	35.35 4.31 -4.44	36.72 4.36 -4.60	34.16 5.04 0.00	38.31 6.17 0.00	46.59 6.84 -7.33	55.00 6.86 -15.80	47.66 7.63 -1.90	54.16 7.34 -10.65	74.08 8.30 -25.10	86.22 10.18 -26.86	84.84 8.08 -37.72	71.17 6.76 -32.20	50.79 6.44 -12.17	37.13 5.88 0.00	34.01 5.07 0.00	30.77 4.38 0.00
REVERE_CPPR_DRP 24186	20.57 0.81 0.00	20.85 0.80 0.00	20.89 0.80 0.00	20.02 0.73 0.00	19.92 0.66 0.00	21.19 0.85 0.00	23.89 1.03 0.00	25.57 1.05 0.00	27.72 1.12 0.00	29.25 1.17 -0.32	30.78 1.25 -0.41	34.45 1.77 -0.54	34.77 1.82 -0.54	34.70 1.75 -0.61	41.22 2.17 -0.92	40.22 1.63 -2.42	43.48 1.79 -1.01	52.74 2.31 -1.25	41.90 1.95 -0.91	34.21 1.42 -0.58	34.02 1.35 -0.49	33.38 1.69 -0.44	30.65 1.36 -0.35	27.79 1.13 -0.26



REYNOLDS_115KV_TB3 80639	32.11 0.91 -11.44	26.00 0.94 -5.01	24.09 0.96 -3.05	22.35 0.95 -2.11	23.09 0.94 -2.88	23.09 0.96 -1.79	24.60 1.10 -0.64	31.90 1.08 -6.31	30.90 1.14 -3.16	32.25 1.22 -3.27	30.17 1.05 0.00	33.24 1.09 0.00	38.91 1.26 -5.23	44.83 1.23 -11.26	41.01 1.53 -1.36	45.81 1.41 -8.23	60.25 1.59 -17.98	70.13 1.82 -19.12	67.39 1.48 -26.86	56.30 1.16 -22.93	42.07 1.22 -8.67	32.38 1.13 0.00	30.02 1.07 0.00	27.42 1.03 0.00
RIVERBAY____ 323610	26.42 1.38 -5.27	23.76 1.40 -2.31	22.75 1.27 -1.40	21.53 1.27 -0.97	21.81 1.21 -1.33	22.36 1.20 -0.83	24.62 1.46 -0.29	28.89 1.47 -2.91	29.74 1.68 -1.46	31.42 2.14 -1.52	31.63 2.50 0.00	35.15 2.99 -0.02	37.97 3.14 -2.41	40.34 2.81 -5.19	42.30 3.55 -0.63	48.94 3.69 -9.08	54.68 3.91 -10.09	62.76 4.67 -8.90	55.04 3.51 -12.48	45.31 2.45 -10.66	38.84 2.64 -4.03	33.95 2.69 -0.01	31.44 2.49 -0.01	28.72 2.32 -0.01
RIVERSDE_115KV_TB3 55908	32.12 0.87 -11.49	26.00 0.92 -5.03	24.09 0.94 -3.06	22.33 0.93 -2.12	23.06 0.91 -2.89	23.07 0.94 -1.80	24.56 1.05 -0.64	31.88 1.03 -6.34	30.84 1.06 -3.17	32.16 1.11 -3.29	30.11 0.99 0.00	33.20 1.06 0.00	38.87 1.20 -5.25	44.81 1.16 -11.30	40.90 1.41 -1.36	45.71 1.34 -8.20	60.21 1.51 -18.03	70.10 1.72 -19.20	67.37 1.37 -26.97	56.29 1.06 -23.02	42.01 1.13 -8.70	32.26 1.00 0.00	29.93 0.98 0.00	27.34 0.95 0.00
ROARING____BROOK_WT_PWR 323790	19.39 -0.38 0.00	19.69 -0.36 0.00	19.74 -0.34 0.00	19.00 -0.29 0.00	18.98 -0.29 0.00	20.01 -0.33 0.00	22.52 -0.34 0.00	24.24 -0.27 0.00	26.31 -0.29 0.00	27.43 -0.33 0.00	28.57 -0.55 0.00	31.44 -0.71 0.00	31.64 -0.78 0.00	31.47 -0.87 0.00	36.98 -1.14 0.00	32.37 -1.23 2.57	39.34 -1.34 0.00	47.80 -1.38 0.00	37.71 -1.33 0.00	31.24 -0.97 0.00	31.24 -0.93 0.00	30.35 -0.91 0.00	28.31 -0.64 0.00	25.83 -0.56 0.00
ROCHESRG_115KV_T4 355643	20.87 0.49 -0.61	20.74 0.42 -0.27	20.65 0.40 -0.16	19.60 0.19 -0.11	19.58 0.15 -0.15	20.86 0.43 -0.10	23.11 0.21 -0.03	24.78 -0.07 -0.34	26.77 0.00 -0.17	28.07 0.14 -0.18	29.59 0.47 0.00	32.88 0.74 0.00	33.97 1.26 -0.28	34.35 1.39 -0.61	39.88 1.68 -0.07	39.78 1.77 -1.83	43.89 2.24 -0.97	52.29 2.07 -1.05	42.62 2.11 -1.47	35.04 1.58 -1.26	33.88 1.22 -0.48	32.26 1.00 0.00	29.64 0.69 0.00	27.05 0.66 0.00
ROCHESTER_9_IC 23652	21.01 0.63 -0.62	20.88 0.56 -0.27	20.79 0.54 -0.16	19.71 0.31 -0.11	19.69 0.27 -0.16	20.98 0.55 -0.10	23.27 0.37 -0.03	24.95 0.10 -0.34	26.96 0.19 -0.17	28.30 0.36 -0.18	29.85 0.73 0.00	33.14 1.00 0.00	34.26 1.56 -0.29	34.68 1.71 -0.62	40.26 2.06 -0.07	40.10 2.10 -1.84	44.27 2.60 -0.98	52.75 2.51 -1.06	42.98 2.46 -1.48	35.34 1.87 -1.27	34.14 1.48 -0.48	32.54 1.28 0.00	29.87 0.93 0.00	27.23 0.84 0.00
ROCKVIEW_13_KV_LD 356306	26.10 1.07 -5.27	23.44 1.08 -2.31	22.49 1.00 -1.40	21.28 1.02 -0.97	21.62 1.02 -1.33	22.28 1.12 -0.83	24.60 1.44 -0.29	28.79 1.37 -2.91	29.61 1.54 -1.47	31.25 1.97 -1.52	31.48 2.36 0.00	34.78 2.64 0.00	37.75 2.92 -2.41	40.38 2.85 -5.19	42.30 3.55 -0.63	48.96 3.73 -9.06	54.88 4.11 -10.09	62.69 4.62 -8.89	55.12 3.59 -12.48	45.38 2.51 -10.66	38.88 2.67 -4.03	33.63 2.38 0.00	31.00 2.06 0.00	28.29 1.90 0.00
ROME____115KV_TB2 80656	20.57 0.81 0.00	20.85 0.80 0.00	20.89 0.80 0.00	20.02 0.73 0.00	19.92 0.66 0.00	21.19 0.85 0.00	23.89 1.03 0.00	25.57 1.05 0.00	27.72 1.12 0.00	29.25 1.17 -0.32	30.78 1.25 -0.41	34.45 1.77 -0.54	34.77 1.82 -0.54	34.70 1.75 -0.61	41.22 2.17 -0.92	40.22 1.63 -2.42	43.48 1.79 -1.01	52.74 2.31 -1.25	41.90 1.95 -0.91	34.21 1.42 -0.58	34.02 1.35 -0.49	33.38 1.69 -0.44	30.65 1.36 -0.35	27.79 1.13 -0.26
ROSETON____1 23587	25.88 0.89 -5.22	23.24 0.90 -2.29	22.32 0.84 -1.39	21.12 0.87 -0.96	21.45 0.87 -1.31	22.07 0.92 -0.82	24.34 1.19 -0.29	28.52 1.13 -2.88	29.30 1.25 -1.45	30.85 1.58 -1.51	31.19 2.07 0.00	34.46 2.32 0.00	37.11 2.30 -2.39	39.68 2.20 -5.14	41.49 2.75 -0.62	47.85 2.68 -9.00	53.74 3.05 -10.01	61.09 3.15 -8.75	53.91 2.58 -12.30	44.51 1.80 -10.50	38.04 1.90 -3.97	33.10 1.84 0.00	30.45 1.50 0.00	27.84 1.45 0.00
ROSETON____2 23588	25.88 0.89 -5.22	23.24 0.90 -2.29	22.32 0.84 -1.39	21.12 0.87 -0.96	21.45 0.87 -1.31	22.07 0.92 -0.82	24.34 1.19 -0.29	28.52 1.13 -2.88	29.30 1.25 -1.45	30.85 1.58 -1.51	31.19 2.07 0.00	34.46 2.32 0.00	37.11 2.30 -2.39	39.68 2.20 -5.14	41.49 2.75 -0.62	47.85 2.68 -9.00	53.74 3.05 -10.01	61.09 3.15 -8.75	53.91 2.58 -12.30	44.51 1.80 -10.50	38.04 1.90 -3.97	33.10 1.84 0.00	30.45 1.50 0.00	27.84 1.45 0.00
ROTTSDAM_115KV_TB3 80664	37.78 0.95 -17.06	28.45 0.92 -7.48	25.57 0.94 -4.55	23.34 0.91 -3.15	24.47 0.91 -4.29	23.95 0.94 -2.67	24.87 1.05 -0.95	35.01 1.08 -9.42	32.59 1.22 -4.77	34.01 1.30 -4.95	30.46 1.34 0.00	33.65 1.51 0.00	41.97 1.75 -7.79	50.85 1.71 -16.79	42.17 2.02 -2.02	49.23 1.95 -11.11	69.51 2.20 -26.63	80.39 2.66 -28.55	81.29 2.15 -40.10	68.18 1.74 -34.24	46.86 1.74 -12.94	32.85 1.59 0.00	30.36 1.42 0.00	27.68 1.29 0.00
RUSSELL____1 23602	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.11 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.35 -0.17	28.49 0.56 -0.18	30.06 0.93 0.00	33.36 1.22 0.00	34.52 1.82 -0.29	34.93 1.97 -0.62	40.57 2.36 -0.07	40.39 2.39 -1.84	44.63 2.97 -0.98	53.09 2.85 -1.06	43.30 2.77 -1.48	35.60 2.13 -1.27	34.36 1.71 -0.48	32.76 1.50 0.00	30.08 1.13 0.00	27.42 1.03 0.00
RUSSELL____2 23532	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.11 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.35 -0.17	28.49 0.56 -0.18	30.06 0.93 0.00	33.36 1.22 0.00	34.52 1.82 -0.29	34.93 1.97 -0.62	40.57 2.36 -0.07	40.39 2.39 -1.84	44.63 2.97 -0.98	53.09 2.85 -1.06	43.30 2.77 -1.48	35.60 2.13 -1.27	34.36 1.71 -0.48	32.76 1.50 0.00	30.08 1.13 0.00	27.42 1.03 0.00
RUSSELL____3 23549	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.11 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.35 -0.17	28.49 0.56 -0.18	30.06 0.93 0.00	33.36 1.22 0.00	34.52 1.82 -0.29	34.93 1.97 -0.62	40.57 2.36 -0.07	40.39 2.39 -1.84	44.63 2.97 -0.98	53.09 2.85 -1.06	43.30 2.77 -1.48	35.60 2.13 -1.27	34.36 1.71 -0.48	32.76 1.50 0.00	30.08 1.13 0.00	27.42 1.03 0.00
RUSSELL____4 23556	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.11 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.35 -0.17	28.49 0.56 -0.18	30.06 0.93 0.00	33.36 1.22 0.00	34.52 1.82 -0.29	34.93 1.97 -0.62	40.57 2.36 -0.07	40.39 2.39 -1.84	44.63 2.97 -0.98	53.09 2.85 -1.06	43.30 2.77 -1.48	35.60 2.13 -1.27	34.36 1.71 -0.48	32.76 1.50 0.00	30.08 1.13 0.00	27.42 1.03 0.00



RUSSELL___STATION 23914	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.11 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.35 -0.17	28.49 0.56 -0.18	30.06 0.93 0.00	33.36 1.22 0.00	34.52 1.82 -0.29	34.93 1.97 -0.62	40.57 2.36 -0.07	40.39 2.39 -1.84	44.63 2.97 -0.98	53.09 2.85 -1.06	43.30 2.77 -1.48	35.60 2.13 -1.27	34.36 1.71 -0.48	32.76 1.50 0.00	30.08 1.13 0.00	27.42 1.03 0.00
S SALMON___HYD 24043	19.92 0.16 0.00	20.19 0.14 0.00	20.22 0.14 0.00	19.37 0.08 0.00	19.31 0.04 0.00	20.50 0.16 0.00	23.00 0.14 0.00	24.56 0.05 0.00	26.57 -0.03 0.00	29.25 0.00 -1.49	31.02 0.03 -1.87	34.89 0.29 -2.46	35.25 0.39 -2.44	35.50 0.39 -2.76	42.81 0.49 -4.19	42.10 0.44 -5.50	45.73 0.41 -4.65	55.42 0.49 -5.75	43.81 0.55 -4.22	35.27 0.35 -2.71	34.72 0.26 -2.29	33.86 0.56 -2.04	30.90 0.35 -1.61	27.82 0.21 -1.23
S.PERRY___115KV_TB1 80734	22.01 1.32 -0.92	21.71 1.26 -0.40	21.59 1.27 -0.25	20.42 0.96 -0.17	20.43 0.92 -0.23	21.80 1.32 -0.14	24.04 1.12 -0.05	25.63 0.61 -0.51	27.42 0.56 -0.26	28.69 0.67 -0.27	30.20 1.08 0.00	33.65 1.51 0.00	34.92 2.07 -0.43	35.37 2.10 -0.92	40.83 2.59 -0.11	40.87 2.71 -1.99	45.48 3.34 -1.46	54.45 3.69 -1.58	45.16 3.90 -2.21	37.38 3.29 -1.89	35.85 2.96 -0.71	33.91 2.66 0.00	31.06 2.11 0.00	28.23 1.85 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	21.34 0.73 -0.85	21.04 0.62 -0.37	20.95 0.64 -0.23	19.75 0.31 -0.16	19.71 0.23 -0.21	21.10 0.63 -0.13	23.16 0.25 -0.05	24.74 -0.25 -0.47	26.65 -0.19 -0.24	27.89 -0.11 -0.24	29.47 0.35 0.00	32.85 0.71 0.00	34.37 1.56 -0.39	34.81 1.62 -0.85	40.25 2.02 -0.10	40.40 2.28 -1.95	44.88 2.85 -1.35	53.29 2.66 -1.45	43.81 2.73 -2.04	35.85 1.90 -1.74	34.38 1.54 -0.65	32.41 1.16 0.00	29.67 0.72 0.00	27.18 0.79 0.00
SAWYER___23_KV_LOAD 55526	21.34 0.73 -0.85	21.04 0.62 -0.37	20.95 0.64 -0.23	19.75 0.31 -0.16	19.71 0.23 -0.21	21.10 0.63 -0.13	23.16 0.25 -0.05	24.74 -0.25 -0.47	26.65 -0.19 -0.24	27.89 -0.11 -0.24	29.47 0.35 0.00	32.85 0.71 0.00	34.37 1.56 -0.39	34.81 1.62 -0.85	40.25 2.02 -0.10	40.40 2.28 -1.95	44.88 2.85 -1.35	53.29 2.66 -1.45	43.81 2.73 -2.04	35.85 1.90 -1.74	34.38 1.54 -0.65	32.41 1.16 0.00	29.67 0.72 0.00	27.18 0.79 0.00
SELKIRK___I 23801	29.72 0.93 -9.02	24.96 0.96 -3.95	23.49 1.00 -2.40	21.92 0.96 -1.66	22.50 0.96 -2.27	22.73 0.98 -1.41	24.42 1.05 -0.50	30.54 1.05 -4.98	30.21 1.12 -2.50	31.46 1.11 -2.59	30.23 1.11 0.00	33.33 1.19 0.00	37.61 1.07 -4.12	42.29 1.07 -8.88	40.45 1.26 -1.07	44.26 1.19 -6.89	56.21 1.34 -14.19	65.86 1.62 -15.06	61.52 1.33 -21.15	51.39 1.13 -18.06	40.16 1.16 -6.83	32.41 1.16 0.00	30.13 1.19 0.00	27.50 1.11 0.00
SELKIRK___II 23799	29.92 0.75 -9.40	24.97 0.80 -4.12	23.41 0.82 -2.50	21.83 0.81 -1.73	22.44 0.81 -2.36	22.62 0.81 -1.47	24.30 0.92 -0.52	30.61 0.91 -5.19	30.11 0.90 -2.60	31.43 0.97 -2.70	30.11 0.99 0.00	33.24 1.09 0.00	37.49 0.78 -4.29	42.37 0.77 -9.25	40.20 0.95 -1.12	43.96 0.90 -6.88	56.42 1.02 -14.72	65.97 1.08 -15.71	62.01 0.90 -22.07	51.79 0.74 -18.84	40.07 0.77 -7.12	32.04 0.78 0.00	29.87 0.93 0.00	27.29 0.90 0.00
SENECA OSWGO___HYD 24041	19.67 -0.10 0.00	19.95 -0.10 0.00	19.98 -0.10 0.00	19.12 -0.17 0.00	19.09 -0.17 0.00	20.24 -0.10 0.00	22.68 -0.18 0.00	24.24 -0.27 0.00	26.28 -0.32 0.00	29.53 -0.30 -2.08	31.56 -0.17 -2.61	35.58 0.00 -3.44	36.02 0.20 -3.40	36.36 0.16 -3.86	44.17 0.19 -5.85	43.77 0.36 -7.24	47.58 0.41 -6.49	57.51 0.30 -8.03	45.38 0.43 -5.90	36.22 0.23 -3.78	35.54 0.16 -3.20	34.26 0.16 -2.85	31.13 -0.06 -2.25	28.00 -0.11 -1.71
SENECA___115KV_TB3 355854	21.60 0.95 -0.89	21.26 0.82 -0.39	21.16 0.84 -0.24	19.96 0.50 -0.16	19.92 0.42 -0.22	21.31 0.83 -0.14	23.42 0.50 -0.05	25.03 0.02 -0.49	27.01 0.16 -0.25	28.18 0.17 -0.26	29.79 0.67 0.00	33.24 1.09 0.00	34.84 2.01 -0.41	35.30 2.07 -0.89	40.79 2.55 -0.11	40.93 2.79 -1.97	45.56 3.46 -1.42	54.05 3.34 -1.52	44.50 3.32 -2.14	36.36 2.32 -1.83	34.83 1.96 -0.69	32.76 1.50 0.00	29.99 1.04 0.00	27.42 1.03 0.00
SENECA___ENERGY 23797	20.78 0.36 -0.66	20.68 0.34 -0.29	20.60 0.34 -0.18	19.58 0.17 -0.12	19.61 0.17 -0.17	20.83 0.39 -0.10	23.22 0.32 -0.04	25.07 0.20 -0.37	27.11 0.32 -0.19	29.18 0.36 -1.06	30.80 0.58 -1.09	34.61 1.03 -1.44	35.26 1.65 -1.19	35.55 1.55 -1.66	41.53 1.79 -1.61	41.58 2.06 -3.35	46.12 1.67 -3.77	55.40 1.72 -4.49	44.87 1.76 -4.07	36.35 1.19 -2.95	35.06 1.03 -1.85	33.45 1.00 -1.19	30.43 0.55 -0.94	27.52 0.42 -0.72
SHOEMAKER___GT 23640	25.35 0.79 -4.79	22.95 0.80 -2.10	22.12 0.76 -1.28	20.95 0.77 -0.88	21.25 0.77 -1.21	21.90 0.81 -0.75	24.18 1.05 -0.27	28.14 0.98 -2.64	29.00 1.07 -1.33	30.47 1.33 -1.38	30.93 1.81 0.00	34.17 2.03 0.00	36.59 1.98 -2.19	39.03 1.97 -4.72	41.14 2.44 -0.57	47.06 2.35 -8.54	52.61 2.64 -9.28	60.04 2.80 -8.05	52.78 2.42 -11.31	43.51 1.64 -9.66	37.53 1.70 -3.65	32.91 1.66 0.00	30.28 1.33 0.00	27.65 1.27 0.00
SHOEMAKR_138KV_BK 111 55601	25.27 0.75 -4.76	22.91 0.78 -2.09	22.09 0.74 -1.27	20.92 0.75 -0.88	21.22 0.75 -1.20	21.88 0.79 -0.75	24.16 1.03 -0.26	28.09 0.96 -2.63	28.96 1.04 -1.32	30.44 1.30 -1.37	30.70 1.57 0.00	33.91 1.77 0.00	36.51 1.91 -2.17	38.93 1.91 -4.68	41.02 2.33 -0.56	47.02 2.35 -8.50	52.59 2.68 -9.23	59.99 2.75 -8.06	52.62 2.26 -11.32	43.38 1.51 -9.66	37.44 1.61 -3.65	32.76 1.50 0.00	30.25 1.30 0.00	27.60 1.21 0.00
SHOREHAM_IC_1 23715	26.22 1.19 -5.27	23.76 1.40 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.95 1.79 -0.83	25.65 2.49 -0.29	28.72 1.30 -2.91	29.74 1.68 -1.47	31.30 2.03 -1.52	33.29 4.13 -0.03	38.50 4.40 -1.96	42.24 4.35 -5.48	54.28 4.08 -17.86	49.24 4.08 -7.03	52.23 4.19 -11.87	75.68 4.84 -30.16	103.76 5.21 -49.37	59.19 4.22 -15.93	51.91 3.03 -16.67	46.89 4.28 -10.43	44.56 4.22 -9.08	32.71 3.74 -0.02	29.92 3.51 -0.02
SHOREHAM_IC_2 23716	26.22 1.19 -5.27	23.76 1.40 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.95 1.79 -0.83	25.65 2.49 -0.29	28.72 1.30 -2.91	29.74 1.68 -1.47	31.30 2.03 -1.52	33.29 4.13 -0.03	38.50 4.40 -1.96	42.24 4.35 -5.48	54.28 4.08 -17.86	49.24 4.08 -7.03	52.23 4.19 -11.87	75.68 4.84 -30.16	103.76 5.21 -49.37	59.19 4.22 -15.93	51.91 3.03 -16.67	46.89 4.28 -10.43	44.56 4.22 -9.08	32.71 3.74 -0.02	29.92 3.51 -0.02
SISSONVILLE___ 23735	19.61 -0.16 0.00	19.89 -0.16 0.00	19.90 -0.18 0.00	19.10 -0.19 0.00	19.08 -0.19 0.00	20.15 -0.18 0.00	22.75 -0.11 0.00	24.54 0.02 0.00	26.57 -0.03 0.00	27.85 -0.14 -0.23	29.13 -0.29 -0.39	31.85 -0.67 -0.39	31.64 -1.17 -0.38	31.23 -1.55 -0.44	36.84 -1.94 -0.66	34.03 -2.68 -0.53	38.32 -3.09 -0.73	47.53 -2.56 -0.90	36.80 -2.81 -0.57	30.38 -2.19 -0.36	30.26 -2.22 -0.31	29.90 -1.63 -0.27	28.70 -0.46 -0.21	26.16 -0.40 -0.16



SITHE_IND_GS1 24169	19.37 -0.40 0.00	19.63 -0.42 0.00	19.66 -0.42 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	21.03 -0.75 5.98	20.91 -0.70 7.51	21.63 -0.61 9.90	22.18 -0.52 9.72	20.84 -0.48 11.02	20.84 -0.57 16.72	20.81 -0.43 14.93	21.47 -0.53 18.68	25.34 -0.74 23.10	21.59 -0.47 16.98	20.84 -0.48 10.89	22.41 -0.55 9.22	22.54 -0.53 8.19	21.85 -0.64 6.46	20.85 -0.61 4.93
SITHE_IND_GS2 24170	19.37 -0.40 0.00	19.63 -0.42 0.00	19.66 -0.42 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	21.03 -0.75 5.98	20.91 -0.70 7.51	21.63 -0.61 9.90	22.18 -0.52 9.72	20.84 -0.48 11.02	20.84 -0.57 16.72	20.81 -0.43 14.93	21.47 -0.53 18.68	25.34 -0.74 23.10	21.59 -0.47 16.98	20.84 -0.48 10.89	22.41 -0.55 9.22	22.54 -0.53 8.19	21.85 -0.64 6.46	20.85 -0.61 4.93
SITHE_IND_GS3 24171	19.37 -0.40 0.00	19.63 -0.42 0.00	19.66 -0.42 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	21.03 -0.75 5.98	20.91 -0.70 7.51	21.63 -0.61 9.90	22.18 -0.52 9.72	20.84 -0.48 11.02	20.84 -0.57 16.72	20.81 -0.43 14.93	21.47 -0.53 18.68	25.34 -0.74 23.10	21.59 -0.47 16.98	20.84 -0.48 10.89	22.41 -0.55 9.22	22.54 -0.53 8.19	21.85 -0.64 6.46	20.85 -0.61 4.93
SITHE_IND_GS4 24172	19.37 -0.40 0.00	19.63 -0.42 0.00	19.66 -0.42 0.00	18.83 -0.46 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	21.03 -0.75 5.98	20.91 -0.70 7.51	21.63 -0.61 9.90	22.18 -0.52 9.72	20.84 -0.48 11.02	20.84 -0.57 16.72	20.81 -0.43 14.93	21.47 -0.53 18.68	25.34 -0.74 23.10	21.59 -0.47 16.98	20.84 -0.48 10.89	22.41 -0.55 9.22	22.54 -0.53 8.19	21.85 -0.64 6.46	20.85 -0.61 4.93
SITHE___BATAVIA 24024	21.65 1.27 -0.62	21.52 1.20 -0.27	21.37 1.12 -0.17	20.27 0.87 -0.11	20.29 0.87 -0.16	21.66 1.22 -0.10	24.02 1.12 -0.03	25.76 0.91 -0.34	27.86 1.09 -0.17	29.22 1.28 -0.18	30.70 1.57 0.00	34.36 2.22 0.00	35.39 2.69 -0.28	35.80 2.85 -0.61	41.36 3.16 -0.07	41.37 3.36 -1.83	45.61 3.94 -0.99	54.32 4.08 -1.06	44.28 3.75 -1.49	36.51 3.03 -1.27	34.85 2.19 -0.48	33.35 2.09 0.00	30.42 1.48 0.00	27.71 1.32 0.00
SITHE___INDEPEND 23800	19.37 -0.40 0.00	19.63 -0.42 0.00	19.66 -0.42 0.00	18.85 -0.44 0.00	18.81 -0.46 0.00	19.91 -0.43 0.00	22.32 -0.55 0.00	23.85 -0.66 0.00	25.88 -0.72 0.00	21.03 -0.75 5.98	20.91 -0.70 7.51	21.60 -0.64 9.90	22.21 -0.49 9.72	20.84 -0.49 11.02	20.88 -0.53 16.72	20.81 -0.43 14.93	21.51 -0.49 18.68	25.34 -0.74 23.10	21.59 -0.47 16.99	20.84 -0.48 10.89	22.41 -0.55 9.22	22.51 -0.56 8.19	21.88 -0.61 6.46	20.88 -0.58 4.93
SITHE___MASSENA 23902	19.49 -0.28 0.00	19.79 -0.26 0.00	19.80 -0.28 0.00	19.02 -0.27 0.00	19.02 -0.25 0.00	20.03 -0.30 0.00	22.54 -0.32 0.00	24.34 -0.17 0.00	26.39 -0.21 0.00	27.45 -0.30 0.00	28.16 -0.96 0.00	31.05 -1.09 0.00	31.19 -1.23 0.00	31.02 -1.33 0.00	36.45 -1.68 0.00	33.50 -2.02 0.65	38.48 -2.20 0.00	47.56 -1.62 0.00	36.89 -2.15 0.00	30.63 -1.58 0.00	30.60 -1.58 0.00	29.82 -1.44 0.00	28.45 -0.49 0.00	25.94 -0.45 0.00
SITHE___OGDNSBRG 24021	19.68 -0.08 0.00	19.99 -0.06 0.00	20.04 -0.04 0.00	19.21 -0.08 0.00	19.17 -0.10 0.00	20.28 -0.06 0.00	22.84 -0.02 0.00	24.63 0.12 0.00	26.68 0.08 0.00	27.93 0.00 -0.17	29.19 -0.15 -0.21	31.85 -0.58 -0.28	31.70 -1.01 -0.28	31.40 -1.26 -0.32	37.05 -1.56 -0.48	34.12 -2.21 -0.16	38.24 -2.44 0.00	47.46 -1.72 0.00	36.93 -2.11 0.00	30.63 -1.58 0.00	30.57 -1.61 0.00	30.19 -1.06 0.00	28.83 -0.12 0.00	26.28 -0.11 0.00
SITHE___STERLING 23777	20.40 0.63 0.00	20.67 0.62 0.00	20.71 0.62 0.00	19.85 0.56 0.00	19.77 0.50 0.00	21.01 0.67 0.00	23.66 0.80 0.00	25.30 0.78 0.00	27.43 0.83 0.00	28.99 0.89 -0.35	30.58 1.02 -0.44	34.23 1.51 -0.58	34.52 1.52 -0.58	34.45 1.46 -0.65	40.91 1.79 -0.99	40.14 1.45 -2.52	43.35 1.58 -1.09	52.49 1.97 -1.34	41.71 1.68 -0.99	34.06 1.22 -0.63	33.87 1.16 -0.54	33.14 1.41 -0.48	30.39 1.07 -0.38	27.54 0.87 -0.29
SLEIGHT__34_KV_TB1 80719	21.13 0.75 -0.61	21.10 0.78 -0.27	21.03 0.78 -0.16	20.00 0.60 -0.11	20.02 0.60 -0.15	21.29 0.85 -0.10	23.77 0.87 -0.03	25.68 0.83 -0.34	27.98 1.20 -0.18	30.00 1.39 -0.85	31.71 1.75 -0.84	35.59 2.35 -1.10	36.24 2.40 -1.42	36.60 2.36 -1.90	42.99 2.82 -2.04	42.86 2.93 -3.76	47.11 3.25 -3.17	56.54 3.59 -3.77	45.71 3.20 -3.47	37.13 2.38 -2.54	35.89 2.16 -1.56	34.16 1.94 -0.96	31.18 1.48 -0.76	28.18 1.21 -0.58
SOUTH CAIRO___GT 23612	29.82 1.38 -8.67	25.27 1.42 -3.80	23.84 1.45 -2.31	22.26 1.37 -1.60	22.84 1.39 -2.18	23.12 1.42 -1.36	24.97 1.62 -0.48	31.01 1.72 -4.78	30.81 1.81 -2.40	32.05 1.80 -2.49	31.05 1.92 0.00	34.26 2.12 0.00	38.00 1.62 -3.96	42.78 1.91 -8.53	41.33 2.17 -1.03	46.02 2.28 -7.57	56.76 2.20 -13.89	66.28 2.70 -14.40	61.72 2.46 -20.22	51.37 1.90 -17.26	40.57 1.87 -6.53	33.16 1.91 0.00	30.94 2.00 0.00	28.13 1.74 0.00
SOUTH HAMPTN___IC 23720	26.62 1.58 -5.27	24.12 1.76 -2.31	22.71 1.23 -1.40	21.44 1.18 -0.97	22.35 1.75 -1.33	23.30 2.13 -0.83	26.04 2.88 -0.29	29.23 1.81 -2.91	30.33 2.26 -1.47	31.97 2.69 -1.52	33.90 4.75 -0.03	39.13 5.08 -1.92	42.95 5.06 -5.47	54.58 4.88 -17.35	50.22 5.07 -7.02	53.10 5.17 -11.76	76.06 6.02 -29.36	103.47 6.54 -47.75	60.10 5.27 -15.79	52.50 3.86 -16.43	47.65 5.08 -10.39	45.27 4.94 -9.08	33.37 4.40 -0.02	30.45 4.04 -0.02
SOUTHDOW__115KV_TB1 355954	22.57 1.80 -1.01	22.17 1.68 -0.44	22.06 1.71 -0.27	20.81 1.33 -0.19	20.75 1.23 -0.25	22.28 1.79 -0.16	24.66 1.74 -0.06	26.56 1.50 -0.56	28.72 1.84 -0.28	29.80 1.75 -0.29	31.54 2.42 0.00	34.97 2.83 0.00	36.58 3.70 -0.46	36.99 3.65 -0.99	42.44 4.19 -0.12	42.53 4.34 -2.02	47.42 5.17 -1.57	56.14 5.26 -1.69	46.38 4.96 -2.38	37.91 3.67 -2.03	36.54 3.60 -0.76	34.29 3.03 0.00	31.15 2.20 0.00	28.37 1.98 0.00
SOUTHOLD_69_KV_BK 2 55809	26.97 1.94 -5.27	24.52 2.17 -2.31	23.05 1.57 -1.40	21.90 1.64 -0.97	22.69 2.10 -1.33	23.66 2.50 -0.83	26.50 3.34 -0.29	29.72 2.30 -2.91	30.86 2.79 -1.47	32.58 3.30 -1.52	34.37 5.21 -0.03	39.59 5.53 -1.92	43.80 5.90 -5.48	55.61 5.92 -17.35	51.67 6.52 -7.02	54.08 6.15 -11.76	77.33 7.28 -29.37	105.07 8.07 -47.82	61.50 6.60 -15.86	53.34 4.64 -16.50	48.55 5.95 -10.42	45.87 5.53 -9.08	34.12 5.15 -0.02	31.00 4.59 -0.02
SOUTHOLD___IC 23719	26.97 1.94 -5.27	24.46 2.10 -2.31	23.05 1.57 -1.40	21.79 1.52 -0.97	22.69 2.10 -1.33	23.66 2.50 -0.83	26.50 3.34 -0.29	29.72 2.30 -2.91	30.88 2.82 -1.47	32.58 3.30 -1.52	34.63 5.47 -0.03	39.94 5.88 -1.92	43.80 5.90 -5.47	55.46 5.76 -17.36	51.29 6.14 -7.02	54.19 6.26 -11.76	77.37 7.32 -29.37	105.06 8.11 -47.77	61.35 6.52 -15.79	53.44 4.80 -16.43	48.55 5.98 -10.39	46.09 5.75 -9.08	34.12 5.15 -0.02	31.08 4.67 -0.02



SPIERFLS_115KV_TB 1 80737	37.38 1.46 -16.16	28.47 1.34 -7.08	25.79 1.41 -4.30	23.54 1.27 -2.98	24.60 1.27 -4.06	24.25 1.38 -2.53	25.23 1.46 -0.90	35.04 1.62 -8.91	33.02 1.94 -4.47	34.42 2.03 -4.64	31.40 2.27 0.00	34.75 2.60 0.00	42.82 3.02 -7.38	51.32 3.07 -15.90	43.36 3.32 -1.92	50.05 3.18 -10.70	69.64 3.70 -25.25	80.88 4.67 -27.03	80.68 3.67 -37.97	67.68 3.06 -32.41	47.36 2.93 -12.25	33.91 2.66 0.00	31.26 2.32 0.00	28.45 2.06 0.00
ST LAWRENCE____ 23600	19.25 -0.51 0.00	19.55 -0.50 0.00	19.58 -0.50 0.00	18.83 -0.46 0.00	18.83 -0.44 0.00	19.81 -0.53 0.00	22.29 -0.57 0.00	24.07 -0.44 0.00	26.12 -0.48 0.00	27.17 -0.58 0.00	28.16 -0.96 0.00	30.95 -1.19 0.00	31.09 -1.33 0.00	30.99 -1.36 0.00	36.41 -1.72 0.00	33.57 -1.88 0.72	38.61 -2.07 0.00	47.21 -1.97 0.00	37.05 -1.99 0.00	30.79 -1.42 0.00	30.76 -1.42 0.00	29.88 -1.37 0.00	28.11 -0.84 0.00	25.65 -0.74 0.00
STATE_CA_115KV_115_LB 55624	32.92 0.89 -12.27	26.38 0.96 -5.37	24.33 0.98 -3.27	22.50 0.95 -2.26	23.30 0.94 -3.08	23.24 0.98 -1.92	24.60 1.05 -0.68	32.36 1.08 -6.77	31.09 1.09 -3.40	32.42 1.14 -3.52	30.17 1.05 0.00	33.30 1.16 0.00	39.35 1.33 -5.60	45.68 1.26 -12.07	41.11 1.53 -1.45	46.20 1.45 -8.58	61.53 1.63 -19.22	71.51 1.82 -20.50	69.33 1.48 -28.80	57.96 1.16 -24.59	42.66 1.19 -9.29	32.32 1.06 0.00	29.99 1.04 0.00	27.36 0.98 0.00
STATE_ST_34_KV_LOAD 55959	20.93 0.51 -0.65	20.87 0.54 -0.29	20.84 0.58 -0.17	19.83 0.42 -0.12	19.86 0.42 -0.16	21.03 0.59 -0.10	23.50 0.59 -0.04	25.44 0.56 -0.36	27.75 0.96 -0.19	30.01 1.05 -1.19	31.71 1.34 -1.25	35.40 1.61 -1.65	35.77 1.46 -1.89	36.51 1.71 -2.45	42.99 2.06 -2.80	42.91 2.21 -4.53	47.29 2.32 -4.29	56.88 2.56 -5.14	45.92 2.34 -4.53	37.12 1.67 -3.24	35.83 1.54 -2.11	34.09 1.41 -1.42	31.11 1.04 -1.12	28.09 0.84 -0.86
STATION 5_MISC_HYD 23604	21.01 0.63 -0.62	20.88 0.56 -0.27	20.79 0.54 -0.16	19.71 0.31 -0.11	19.69 0.27 -0.16	21.00 0.57 -0.10	23.26 0.43 -0.03	24.95 0.36 -0.34	26.96 0.19 -0.17	28.30 0.36 -0.18	29.71 0.58 0.00	33.14 1.00 0.00	34.10 1.39 -0.28	34.57 1.62 -0.61	39.99 1.79 -0.07	40.10 2.10 -1.83	44.10 2.44 -0.98	52.60 2.36 -1.06	42.79 2.26 -1.48	35.21 1.74 -1.27	34.01 1.35 -0.48	32.57 1.31 0.00	29.84 0.90 0.00	27.15 0.77 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	20.96 0.57 -0.62	20.84 0.52 -0.27	20.75 0.50 -0.17	19.71 0.31 -0.11	19.71 0.29 -0.16	20.96 0.53 -0.10	23.33 0.43 -0.03	25.12 0.27 -0.34	27.12 0.35 -0.17	28.63 0.47 -0.40	30.22 0.82 -0.28	33.67 1.16 -0.37	34.37 1.65 -0.29	34.72 1.75 -0.63	40.26 2.06 -0.08	40.14 2.13 -1.84	44.89 2.52 -1.68	53.61 2.51 -1.92	43.58 2.42 -2.12	35.69 1.80 -1.68	34.48 1.48 -0.83	32.88 1.31 -0.31	30.14 0.96 -0.24	27.39 0.82 -0.18
STA_56_34_KV_BUS2_REV_LBMP_B 345033	20.87 0.49 -0.61	20.74 0.42 -0.27	20.63 0.38 -0.16	19.60 0.19 -0.11	19.58 0.15 -0.15	20.84 0.41 -0.10	23.13 0.23 -0.03	24.85 0.00 -0.34	26.85 0.08 -0.17	28.19 0.25 -0.18	29.71 0.58 0.00	33.01 0.87 0.00	34.10 1.39 -0.28	34.48 1.52 -0.61	40.03 1.83 -0.07	39.89 1.88 -1.83	44.01 2.36 -0.97	52.44 2.21 -1.05	42.70 2.19 -1.47	35.10 1.64 -1.25	33.91 1.25 -0.48	32.32 1.06 0.00	29.70 0.75 0.00	27.05 0.66 0.00
STA_56____34_KV_BUS2 355983	20.87 0.49 -0.61	20.74 0.42 -0.27	20.63 0.38 -0.16	19.60 0.19 -0.11	19.58 0.15 -0.15	20.84 0.41 -0.10	23.13 0.23 -0.03	24.85 0.00 -0.34	26.85 0.08 -0.17	28.19 0.25 -0.18	29.71 0.58 0.00	33.01 0.87 0.00	34.10 1.39 -0.28	34.48 1.52 -0.61	40.03 1.83 -0.07	39.89 1.88 -1.83	44.01 2.36 -0.97	52.44 2.21 -1.05	42.70 2.19 -1.47	35.10 1.64 -1.25	33.91 1.25 -0.48	32.32 1.06 0.00	29.70 0.75 0.00	27.05 0.66 0.00
STA_67____115KV_BK2 355882	20.97 0.59 -0.62	20.82 0.50 -0.27	20.73 0.48 -0.16	19.65 0.25 -0.11	19.66 0.23 -0.16	20.94 0.51 -0.10	23.20 0.30 -0.03	24.88 0.02 -0.34	26.88 0.11 -0.17	28.21 0.28 -0.18	29.74 0.61 0.00	33.04 0.90 0.00	34.13 1.43 -0.29	34.55 1.58 -0.62	40.11 1.91 -0.07	40.00 1.99 -1.84	44.14 2.48 -0.98	52.55 2.31 -1.06	42.87 2.34 -1.48	35.24 1.77 -1.27	34.04 1.38 -0.48	32.41 1.16 0.00	29.79 0.84 0.00	27.18 0.79 0.00
STA_7____115KV_9TRANS 80674	21.15 0.77 -0.62	21.00 0.68 -0.27	20.89 0.64 -0.16	19.81 0.41 -0.11	19.81 0.39 -0.16	21.11 0.67 -0.10	23.38 0.48 -0.03	25.10 0.25 -0.34	27.12 0.35 -0.17	28.49 0.56 -0.18	30.06 0.93 0.00	33.36 1.22 0.00	34.52 1.82 -0.29	34.93 1.97 -0.62	40.57 2.36 -0.07	40.39 2.39 -1.84	44.63 2.97 -0.98	53.09 2.85 -1.06	43.30 2.77 -1.48	35.60 2.13 -1.27	34.36 1.71 -0.48	32.76 1.50 0.00	30.08 1.13 0.00	27.42 1.03 0.00
STA_82____115KV_TB1 80780	20.98 0.59 -0.62	20.84 0.52 -0.27	20.75 0.50 -0.17	19.67 0.27 -0.11	19.68 0.25 -0.16	20.94 0.51 -0.10	23.22 0.32 -0.03	24.90 0.05 -0.34	26.91 0.13 -0.17	28.24 0.31 -0.18	29.76 0.64 0.00	33.04 0.90 0.00	34.17 1.46 -0.29	34.58 1.62 -0.62	40.15 1.94 -0.07	40.00 1.99 -1.84	44.19 2.52 -0.99	52.60 2.36 -1.06	42.87 2.34 -1.49	35.25 1.77 -1.27	34.08 1.42 -0.48	32.44 1.19 0.00	29.81 0.87 0.00	27.18 0.79 0.00
STEEL____WIND 323596	21.57 0.91 -0.89	21.24 0.80 -0.39	21.14 0.82 -0.24	19.92 0.46 -0.16	19.90 0.41 -0.22	21.33 0.85 -0.14	23.40 0.48 -0.05	25.03 0.02 -0.49	26.96 0.11 -0.25	28.13 0.11 -0.26	29.53 0.41 0.00	33.24 1.09 0.00	34.61 1.78 -0.41	35.10 1.88 -0.88	40.41 2.17 -0.11	40.81 2.68 -1.96	45.27 3.18 -1.42	53.81 3.10 -1.53	44.19 3.01 -2.14	36.10 2.06 -1.83	34.64 1.77 -0.69	32.82 1.56 0.00	29.90 0.95 0.00	27.26 0.87 0.00
STEPHTWN_115KV_BK_2 55603	31.49 1.01 -10.71	25.80 1.06 -4.69	24.02 1.08 -2.85	22.31 1.04 -1.98	23.00 1.04 -2.69	23.09 1.08 -1.68	24.65 1.19 -0.60	31.65 1.23 -5.91	30.84 1.28 -2.96	32.13 1.30 -3.07	30.38 1.25 0.00	33.59 1.45 0.00	38.87 1.56 -4.89	44.44 1.55 -10.54	41.23 1.83 -1.27	45.68 1.77 -7.74	59.44 1.95 -16.81	69.35 2.26 -17.90	66.02 1.83 -25.14	55.12 1.45 -21.47	41.74 1.45 -8.11	32.57 1.31 0.00	30.25 1.30 0.00	27.57 1.19 0.00
STEBEN_REC_LFGE 323667	22.20 1.25 -1.19	21.75 1.18 -0.52	21.61 1.20 -0.32	20.44 0.93 -0.22	20.42 0.85 -0.30	21.81 1.28 -0.19	24.10 1.17 -0.07	26.08 0.91 -0.66	27.94 1.01 -0.33	29.45 1.03 -0.66	31.07 1.54 -0.40	34.82 2.15 -0.52	36.38 2.98 -0.98	36.92 2.91 -1.67	42.35 3.36 -0.87	42.59 3.58 -2.84	47.72 4.15 -2.89	56.83 4.38 -3.27	46.98 4.18 -3.77	38.26 3.03 -3.02	36.39 2.80 -1.41	34.10 2.41 -0.43	31.23 1.94 -0.34	28.31 1.66 -0.26
STONY____BROOK 24151	26.42 1.38 -5.27	23.84 1.48 -2.31	22.55 1.06 -1.40	21.32 1.06 -0.97	22.06 1.46 -1.33	22.89 1.73 -0.83	25.51 2.36 -0.29	29.09 1.67 -2.91	30.11 2.05 -1.47	31.78 2.50 -1.52	33.09 3.93 -0.03	38.64 4.31 -5.36	42.12 4.35 -20.72	56.95 3.88 -6.80	48.74 3.81 -12.50	52.47 3.80 -34.70	79.73 4.36 -58.53	112.23 4.52 -16.72	59.32 3.55 -18.05	52.96 2.71 -10.42	46.62 4.02 -8.90	44.13 3.97 -0.02	32.44 3.47 -0.02	29.71 3.30 -0.02



STURGEON_POOL_HYD 23609	26.58 0.67 -6.15	23.44 0.70 -2.69	22.32 0.60 -1.64	21.08 0.66 -1.13	21.47 0.66 -1.55	21.99 0.69 -0.96	24.26 1.05 -0.34	28.86 0.96 -3.39	29.37 1.06 -1.71	31.00 1.47 -1.77	31.10 1.98 0.00	34.55 2.41 0.00	37.73 2.50 -2.81	40.69 2.30 -6.05	41.68 2.82 -0.73	47.99 3.22 -8.60	54.73 3.42 -10.63	61.99 2.75 -10.05	55.47 2.30 -14.12	45.65 1.38 -12.06	38.25 1.51 -4.56	32.82 1.56 0.00	30.28 1.33 0.00	27.63 1.24 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	25.42 0.75 -4.90	22.98 0.78 -2.15	22.11 0.72 -1.31	20.95 0.75 -0.90	21.25 0.75 -1.23	21.92 0.81 -0.77	24.21 1.07 -0.27	28.20 0.98 -2.70	29.05 1.09 -1.36	30.56 1.39 -1.41	30.81 1.69 0.00	34.10 1.96 0.00	36.80 2.14 -2.24	39.24 2.07 -4.82	41.22 2.52 -0.58	47.41 2.57 -8.67	53.08 2.93 -9.47	60.52 3.05 -8.29	53.18 2.50 -11.64	43.79 1.64 -9.94	37.67 1.74 -3.76	32.85 1.59 0.00	30.31 1.36 0.00	27.68 1.29 0.00
SWANROAD_115KV_TB1 355699	21.03 0.45 -0.82	20.73 0.32 -0.36	20.66 0.36 -0.22	19.46 0.02 -0.15	19.42 -0.06 -0.21	20.81 0.35 -0.13	22.82 -0.09 -0.05	24.30 -0.66 -0.45	26.19 -0.64 -0.23	27.41 -0.58 -0.24	28.98 -0.15 0.00	32.30 0.16 0.00	33.77 0.97 -0.38	34.19 1.03 -0.81	39.56 1.33 -0.10	39.69 1.59 -1.93	44.05 2.07 -1.29	52.34 1.77 -1.39	43.03 2.03 -1.96	35.26 1.38 -1.67	33.89 1.09 -0.62	31.94 0.69 0.00	29.29 0.35 0.00	26.86 0.47 0.00
SYNERGY___BIOGAS 323694	21.65 1.27 -0.62	21.52 1.20 -0.27	21.37 1.12 -0.17	20.27 0.87 -0.11	20.29 0.87 -0.16	21.66 1.22 -0.10	24.02 1.12 -0.03	25.76 0.91 -0.34	27.86 1.09 -0.17	29.22 1.28 -0.18	30.70 1.57 0.00	34.36 2.22 0.00	35.39 2.69 -0.28	35.80 2.85 -0.61	41.36 3.16 -0.07	41.37 3.36 -1.83	45.61 3.94 -0.99	54.32 4.08 -1.06	44.28 3.75 -1.49	36.51 3.03 -1.27	34.85 2.19 -0.48	33.35 2.09 0.00	30.42 1.48 0.00	27.71 1.32 0.00
SYRACUSE___ENERGY_ST1 323597	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.44 0.06 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.77 0.03 -0.14	29.10 0.03 -1.31	30.76 0.17 -1.46	34.49 0.42 -1.93	35.32 0.71 -2.19	35.73 0.68 -2.70	42.40 0.84 -3.43	42.19 0.94 -5.08	46.17 1.06 -4.43	55.61 1.08 -5.35	44.60 1.05 -4.50	36.06 0.71 -3.14	34.97 0.61 -2.18	33.35 0.50 -1.59	30.49 0.29 -1.25	27.56 0.21 -0.96
SYRACUSE___ENERGY_ST2 323598	20.40 0.14 -0.50	20.39 0.12 -0.22	20.34 0.12 -0.13	19.44 0.06 -0.09	19.43 0.04 -0.13	20.56 0.14 -0.08	22.98 0.09 -0.03	24.81 0.02 -0.28	26.77 0.03 -0.14	29.10 0.03 -1.31	30.76 0.17 -1.46	34.49 0.42 -1.93	35.32 0.71 -2.19	35.73 0.68 -2.70	42.40 0.84 -3.43	42.19 0.94 -5.08	46.17 1.06 -4.43	55.61 1.08 -5.35	44.60 1.05 -4.50	36.06 0.71 -3.14	34.97 0.61 -2.18	33.35 0.50 -1.59	30.49 0.29 -1.25	27.56 0.21 -0.96
SYRACUSE___POWER 24017	20.41 0.12 -0.52	20.38 0.10 -0.23	20.32 0.10 -0.14	19.42 0.04 -0.10	19.42 0.02 -0.13	20.52 0.10 -0.08	22.96 0.07 -0.03	24.80 0.00 -0.29	26.75 0.00 -0.15	28.67 0.00 -0.92	30.23 0.15 -0.96	33.76 0.35 -1.27	34.55 0.62 -1.51	34.91 0.61 -1.96	41.15 0.76 -2.26	40.98 0.87 -3.94	44.88 0.98 -3.22	53.97 0.93 -3.85	43.41 0.94 -3.43	35.29 0.61 -2.47	34.28 0.51 -1.58	32.71 0.41 -1.05	29.97 0.20 -0.82	27.18 0.16 -0.63
TALLMAN__138KV_BK151 55660	25.62 0.81 -5.04	23.10 0.84 -2.21	22.21 0.78 -1.34	21.03 0.81 -0.93	21.35 0.81 -1.27	22.00 0.87 -0.79	24.29 1.14 -0.28	28.35 1.05 -2.78	29.15 1.14 -1.40	30.71 1.50 -1.45	30.96 1.83 0.00	34.23 2.09 0.00	37.03 2.30 -2.30	39.57 2.26 -4.96	41.51 2.78 -0.60	47.89 2.89 -8.83	53.65 3.25 -9.71	61.14 3.44 -8.52	53.78 2.77 -11.97	44.23 1.80 -10.22	37.97 1.93 -3.86	33.01 1.75 0.00	30.45 1.51 0.00	27.84 1.45 0.00
TEALLAVE_115KV_TB7 355573	19.82 0.06 0.00	20.09 0.04 0.00	20.12 0.04 0.00	19.27 -0.02 0.00	19.23 -0.04 0.00	20.38 0.04 0.00	22.87 0.00 0.00	24.44 -0.07 0.00	26.52 -0.08 0.00	28.30 -0.08 -0.63	29.94 0.03 -0.79	33.40 0.22 -1.04	33.95 0.49 -1.05	34.01 0.49 -1.18	40.53 0.61 -1.80	40.16 0.72 -3.26	44.08 0.77 -2.62	53.05 0.74 -3.13	42.56 0.74 -2.78	34.69 0.48 -2.00	33.82 0.35 -1.29	32.39 0.28 -0.86	29.71 0.09 -0.67	26.96 0.05 -0.52
TELGRAPH_34_KV_EAST 80808	21.35 0.81 -0.78	21.07 0.68 -0.34	20.99 0.70 -0.21	19.80 0.37 -0.14	19.75 0.29 -0.20	21.17 0.71 -0.12	23.27 0.37 -0.04	24.80 -0.15 -0.43	26.76 -0.05 -0.22	28.04 0.06 -0.22	29.65 0.52 0.00	33.07 0.93 0.00	34.60 1.82 -0.36	34.96 1.84 -0.78	40.47 2.25 -0.09	40.55 2.46 -1.91	44.97 3.05 -1.24	53.46 2.95 -1.33	43.88 2.97 -1.87	36.00 2.19 -1.60	34.63 1.87 -0.59	32.76 1.50 0.00	30.02 1.07 0.00	27.47 1.08 0.00
TEMPLE___115KV_TB 2 55572	20.27 0.08 -0.43	20.29 0.06 -0.19	20.26 0.06 -0.11	19.35 -0.02 -0.08	19.36 -0.02 -0.11	20.47 0.06 -0.07	22.89 0.00 -0.02	24.67 -0.07 -0.24	26.67 -0.05 -0.12	28.45 -0.06 -0.75	29.97 0.06 -0.79	33.44 0.26 -1.04	34.18 0.52 -1.24	34.49 0.55 -1.60	40.62 0.65 -1.84	40.43 0.76 -3.50	44.17 0.85 -2.63	53.11 0.79 -3.15	42.66 0.82 -2.80	34.74 0.52 -2.01	33.89 0.42 -1.29	32.42 0.31 -0.85	29.74 0.12 -0.67	26.98 0.08 -0.51
TIANA____69_KV_BK 1 55817	26.50 1.46 -5.27	24.08 1.72 -2.31	22.59 1.10 -1.40	21.46 1.20 -0.97	22.25 1.66 -1.33	23.18 2.01 -0.83	25.93 2.77 -0.29	29.11 1.69 -2.91	30.17 2.10 -1.47	31.80 2.53 -1.52	33.49 4.34 -0.03	38.59 4.53 -1.92	42.76 4.86 -5.47	54.45 4.75 -17.35	50.26 5.11 -7.02	52.70 4.77 -11.76	75.62 5.57 -29.37	103.05 6.05 -47.82	59.90 5.00 -15.86	52.12 3.41 -16.50	47.39 4.79 -10.42	44.84 4.50 -9.08	33.20 4.23 -0.02	30.18 3.77 -0.02
TILDEN___115KV_TB1 80814	20.41 0.12 -0.52	20.38 0.10 -0.23	20.32 0.10 -0.14	19.42 0.04 -0.10	19.42 0.02 -0.13	20.52 0.10 -0.08	22.96 0.07 -0.03	24.80 0.00 -0.29	26.75 0.00 -0.15	28.67 0.00 -0.92	30.23 0.15 -0.96	33.76 0.35 -1.27	34.55 0.62 -1.51	34.91 0.61 -1.96	41.15 0.76 -2.26	40.98 0.87 -3.94	44.88 0.98 -3.22	53.97 0.93 -3.85	43.41 0.94 -3.43	35.29 0.61 -2.47	34.28 0.51 -1.58	32.71 0.41 -1.05	29.97 0.20 -0.82	27.18 0.16 -0.63
TRIGEN___CC 323695	26.10 1.07 -5.27	23.46 1.10 -2.31	22.33 0.84 -1.40	21.15 0.89 -0.97	21.63 1.04 -1.33	22.38 1.22 -0.83	24.83 1.67 -0.29	28.74 1.32 -2.91	29.64 1.57 -1.47	31.30 2.03 -1.52	31.68 2.53 -0.02	35.86 2.80 -0.93	38.02 3.18 -2.43	40.55 3.01 -5.20	41.96 3.20 -0.63	48.49 3.26 -9.07	54.48 3.70 -10.10	61.85 3.79 -8.88	54.53 3.01 -12.49	44.80 1.93 -10.66	39.06 2.83 -4.06	38.01 2.53 -4.22	31.31 2.34 -0.02	28.62 2.22 -0.02
TRINITY__115KV__ 4 BK 55933	31.51 0.81 -10.94	25.72 0.88 -4.79	23.90 0.90 -2.91	22.20 0.89 -2.02	22.91 0.89 -2.75	22.95 0.89 -1.71	24.46 0.98 -0.61	31.53 0.98 -6.04	30.61 0.98 -3.02	31.92 1.03 -3.14	30.00 0.87 0.00	33.11 0.96 0.00	38.49 1.07 -5.00	44.15 1.03 -10.77	40.68 1.26 -1.30	45.24 1.23 -7.84	59.18 1.34 -17.16	68.99 1.52 -18.28	65.97 1.25 -25.68	55.10 0.97 -21.92	41.46 1.00 -8.29	32.16 0.91 0.00	29.84 0.90 0.00	27.23 0.84 0.00



UNION___PROCESSING_DRP 323587	21.00 0.61 -0.62	20.86 0.54 -0.27	20.75 0.50 -0.17	19.67 0.27 -0.11	19.68 0.25 -0.16	20.96 0.53 -0.10	23.22 0.32 -0.03	24.90 0.05 -0.34	26.91 0.13 -0.17	28.24 0.31 -0.18	29.79 0.67 0.00	33.07 0.93 0.00	34.17 1.46 -0.29	34.61 1.65 -0.62	40.15 1.94 -0.07	40.03 2.03 -1.84	44.19 2.52 -0.99	52.65 2.41 -1.06	42.91 2.38 -1.49	35.29 1.80 -1.27	34.08 1.42 -0.48	32.48 1.22 0.00	29.81 0.87 0.00	27.21 0.82 0.00
UPPER HUDSON___HYD 24058	37.38 1.46 -16.16	28.47 1.34 -7.08	25.79 1.41 -4.30	23.54 1.27 -2.98	24.60 1.27 -4.06	24.27 1.40 -2.53	25.23 1.46 -0.90	35.04 1.62 -8.91	33.01 1.94 -4.47	34.42 2.03 -4.64	31.51 2.39 0.00	34.87 2.73 0.00	42.78 2.98 -7.38	51.28 3.04 -15.90	43.28 3.24 -1.92	50.05 3.18 -10.69	69.68 3.74 -25.25	80.89 4.67 -27.03	80.72 3.71 -37.97	67.68 3.06 -32.41	47.36 2.93 -12.25	34.01 2.75 0.00	31.26 2.32 0.00	28.47 2.08 0.00
UPPER RAQUET___HYD 24056	19.61 -0.16 0.00	19.89 -0.16 0.00	19.90 -0.18 0.00	19.12 -0.17 0.00	19.08 -0.19 0.00	20.15 -0.18 0.00	22.75 -0.11 0.00	24.54 0.02 0.00	26.57 -0.03 0.00	27.85 -0.14 -0.23	28.54 -0.87 -0.29	31.69 -0.84 -0.39	31.64 -1.17 -0.38	31.23 -1.55 -0.44	36.88 -1.91 -0.66	34.02 -2.68 -0.53	38.32 -3.09 -0.73	47.52 -2.56 -0.90	36.86 -2.85 -0.66	30.44 -2.19 -0.43	30.35 -2.19 -0.36	29.83 -1.75 -0.32	28.73 -0.46 -0.25	26.19 -0.40 -0.19
VALLEY44_115KV_TB2 355964	21.47 0.67 -1.04	21.08 0.58 -0.45	20.98 0.62 -0.28	19.79 0.31 -0.19	19.78 0.25 -0.26	21.15 0.65 -0.16	23.31 0.39 -0.06	25.06 -0.02 -0.57	26.94 0.05 -0.29	27.75 -0.31 -0.30	29.27 0.15 0.00	32.56 0.42 0.00	34.19 1.30 -0.47	34.75 1.39 -1.02	39.78 1.53 -0.12	39.98 1.77 -2.03	44.73 2.44 -1.60	53.07 2.16 -1.73	43.96 2.50 -2.42	35.76 1.48 -2.07	34.31 1.35 -0.78	32.19 0.94 0.00	29.41 0.46 0.00	26.84 0.45 0.00
VALLEY___115KV_TB 1-4 80826	19.65 -0.12 0.00	19.95 -0.10 0.00	19.98 -0.10 0.00	19.19 -0.10 0.00	19.17 -0.10 0.00	20.28 -0.06 0.00	22.82 -0.05 0.00	24.41 -0.10 0.00	26.52 -0.08 0.00	27.70 -0.06 0.00	29.07 -0.06 0.00	32.40 0.26 0.00	32.71 0.29 0.00	32.34 0.00 0.00	38.17 0.04 0.00	37.79 -0.11 -1.73	40.52 -0.16 0.00	48.89 -0.30 0.00	38.88 -0.16 0.00	32.05 -0.16 0.00	32.02 -0.16 0.00	31.19 -0.06 0.00	28.86 -0.09 0.00	26.31 -0.08 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	24.92 0.83 -4.33	22.77 0.82 -1.90	22.08 0.84 -1.15	20.90 0.81 -0.80	21.13 0.77 -1.09	21.87 0.85 -0.68	24.11 1.01 -0.24	27.86 0.96 -2.39	28.84 1.04 -1.21	30.36 1.17 -1.44	30.70 1.34 -0.24	33.90 1.45 -0.31	36.32 1.62 -2.27	38.72 1.78 -4.60	41.32 2.17 -1.02	42.39 1.99 -4.23	49.83 2.32 -6.83	59.31 2.66 -7.47	51.17 2.26 -9.86	42.19 1.71 -8.27	37.28 1.77 -3.33	33.43 1.84 -0.33	30.80 1.59 -0.26	27.99 1.40 -0.20
VISCHER___FERRY HYD 24020	34.96 1.09 -14.11	27.31 1.08 -6.18	24.93 1.08 -3.76	22.95 1.06 -2.60	23.88 1.06 -3.55	23.65 1.10 -2.21	24.88 1.23 -0.79	33.57 1.27 -7.79	31.88 1.44 -3.84	33.27 1.53 -3.98	30.70 1.57 0.00	33.84 1.70 0.00	40.62 1.75 -6.45	47.98 1.75 -13.89	41.90 2.10 -1.67	47.89 1.99 -9.73	65.07 2.24 -22.15	75.45 2.65 -23.61	74.35 2.15 -33.17	62.23 1.71 -28.31	44.62 1.74 -10.70	32.97 1.72 0.00	30.42 1.48 0.00	27.78 1.40 0.00
V_A_10_SYNC_DSASP 323832	20.93 0.45 -0.71	20.70 0.34 -0.31	20.63 0.36 -0.19	19.50 0.08 -0.13	19.49 0.04 -0.18	20.84 0.39 -0.11	22.93 0.02 -0.04	24.51 -0.39 -0.39	26.43 -0.37 -0.20	27.74 -0.22 -0.21	29.30 0.17 0.00	32.56 0.42 0.00	33.89 1.13 -0.33	34.22 1.16 -0.71	39.70 1.49 -0.09	39.72 1.66 -1.88	43.97 2.16 -1.13	52.32 1.92 -1.22	42.82 2.07 -1.71	35.15 1.48 -1.46	33.89 1.16 -0.55	32.10 0.84 0.00	29.44 0.49 0.00	26.94 0.55 0.00
V_CMM_10_SYNC_DSASP 323787	19.33 -0.43 0.00	19.63 -0.42 0.00	19.66 -0.42 0.00	18.90 -0.39 0.00	18.90 -0.37 0.00	19.89 -0.45 0.00	22.38 -0.48 0.00	24.17 -0.34 0.00	26.20 -0.40 0.00	27.26 -0.50 0.00	28.28 -0.85 0.00	31.11 -1.03 0.00	31.26 -1.17 0.00	31.11 -1.23 0.00	36.60 -1.53 0.00	33.68 -1.77 0.72	38.77 -1.91 0.00	47.36 -1.82 0.00	37.17 -1.87 0.00	30.89 -1.32 0.00	30.86 -1.32 0.00	30.01 -1.25 0.00	28.25 -0.69 0.00	25.75 -0.63 0.00
V_CMP_10_SYNC_DSASP 323788	20.10 0.34 0.00	20.39 0.34 0.00	20.42 0.34 0.00	19.58 0.29 0.00	19.60 0.33 0.00	20.68 0.35 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.40 0.80 0.00	28.48 0.72 0.00	29.62 0.49 0.00	32.63 0.48 0.00	32.81 0.39 0.00	32.70 0.36 0.00	38.24 0.11 0.00	35.04 -0.47 0.66	40.40 -0.28 0.00	49.33 0.15 0.00	38.77 -0.27 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.23 -0.03 0.00	29.24 0.29 0.00	26.55 0.16 0.00
V_E_10_SYNC_DSASP 323830	23.45 1.86 -1.83	22.75 1.91 -0.80	22.50 1.93 -0.49	21.34 1.72 -0.34	21.31 1.58 -0.46	22.62 1.99 -0.29	25.30 2.33 -0.10	27.88 2.35 -1.01	29.40 2.29 -0.51	31.24 2.44 -1.04	32.44 2.68 -0.64	36.74 3.76 -0.84	37.85 3.79 -1.64	38.80 3.75 -2.71	44.34 4.61 -1.60	43.83 3.91 -3.75	49.61 3.94 -4.98	59.62 4.82 -5.61	49.99 4.37 -6.57	40.90 3.38 -5.31	37.93 3.31 -2.44	35.76 3.81 -0.69	32.56 3.07 -0.55	29.42 2.61 -0.42
V_F_30_NSYNC___DSASP 323816	37.11 1.44 -15.90	28.40 1.38 -6.97	25.75 1.43 -4.24	23.54 1.31 -2.93	24.58 1.31 -4.00	24.23 1.40 -2.49	25.26 1.51 -0.89	34.91 1.62 -8.78	32.85 1.86 -4.39	34.25 1.94 -4.55	31.31 2.19 0.00	34.65 2.51 0.00	42.34 2.66 -7.26	50.65 2.65 -15.65	43.07 3.05 -1.89	49.68 2.93 -10.58	68.93 3.37 -24.87	79.82 4.03 -26.61	79.66 3.24 -37.38	66.76 2.64 -31.91	46.84 2.61 -12.06	33.76 2.50 0.00	31.09 2.14 0.00	28.34 1.95 0.00
V_F_30_SYNC_DSASP 323786	32.81 0.89 -12.16	26.34 0.96 -5.33	24.30 0.98 -3.24	22.48 0.95 -2.24	23.27 0.94 -3.06	23.22 0.98 -1.90	24.59 1.05 -0.68	32.27 1.05 -6.71	31.06 1.09 -3.37	32.39 1.14 -3.49	30.17 1.05 0.00	33.30 1.16 0.00	39.27 1.30 -5.55	45.57 1.26 -11.96	41.09 1.53 -1.44	46.14 1.45 -8.52	61.32 1.59 -19.05	71.32 1.82 -20.32	69.07 1.48 -28.54	57.74 1.16 -24.37	42.58 1.19 -9.21	32.32 1.06 0.00	29.99 1.04 0.00	27.34 0.95 0.00
V_XM_10_SYNC_DSASP 323789	20.10 0.34 0.00	20.39 0.34 0.00	20.42 0.34 0.00	19.58 0.29 0.00	19.60 0.33 0.00	20.68 0.35 0.00	23.28 0.41 0.00	25.22 0.71 0.00	27.40 0.80 0.00	28.48 0.72 0.00	29.62 0.49 0.00	32.63 0.48 0.00	32.81 0.39 0.00	32.70 0.36 0.00	38.24 0.11 0.00	35.04 -0.47 0.66	40.40 -0.28 0.00	49.33 0.15 0.00	38.77 -0.27 0.00	32.14 -0.06 0.00	32.08 -0.10 0.00	31.23 -0.03 0.00	29.24 0.29 0.00	26.55 0.16 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	25.73 0.89 -5.08	23.17 0.90 -2.22	22.28 0.84 -1.35	21.09 0.87 -0.94	21.41 0.87 -1.28	22.07 0.94 -0.79	24.36 1.21 -0.28	28.44 1.13 -2.80	29.23 1.22 -1.41	30.80 1.58 -1.46	31.05 1.92 0.00	34.33 2.19 0.00	37.14 2.40 -2.32	39.67 2.33 -5.00	41.59 2.86 -0.60	48.00 2.97 -8.86	53.82 3.38 -9.77	61.34 3.59 -8.57	53.93 2.85 -12.04	44.39 1.90 -10.28	38.06 1.99 -3.89	33.07 1.81 0.00	30.51 1.56 0.00	27.92 1.53 0.00



W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	26.08 1.05 -5.27	23.42 1.06 -2.31	22.47 0.98 -1.40	21.26 1.00 -0.97	21.60 1.00 -1.33	22.24 1.08 -0.83	24.58 1.42 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.28 2.00 -1.52	31.48 2.36 0.00	34.79 2.64 -0.02	37.68 2.85 -2.41	40.28 2.75 -5.19	42.15 3.39 -0.63	48.83 3.58 -9.08	54.72 3.95 -10.09	62.46 4.38 -8.90	54.84 3.32 -12.48	45.28 2.42 -10.66	38.65 2.45 -4.03	33.54 2.28 0.00	30.98 2.03 -0.01	28.29 1.90 0.00
W50THST__13_KV_LOAD 356117	26.18 1.15 -5.27	23.52 1.16 -2.31	22.55 1.06 -1.40	21.34 1.08 -0.97	21.67 1.08 -1.33	22.34 1.18 -0.83	24.71 1.55 -0.29	28.96 1.54 -2.91	29.82 1.76 -1.46	31.47 2.19 -1.52	31.69 2.56 0.00	35.02 2.86 -0.02	37.94 3.11 -2.41	40.54 3.01 -5.19	42.41 3.66 -0.63	49.12 3.87 -9.08	55.01 4.23 -10.09	62.81 4.72 -8.90	55.08 3.55 -12.48	45.47 2.61 -10.66	38.81 2.61 -4.03	33.69 2.44 0.00	31.16 2.20 -0.01	28.42 2.03 0.00
WADING RIVER_IC_1 23522	26.22 1.19 -5.27	23.78 1.42 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.97 1.81 -0.83	25.67 2.52 -0.29	28.72 1.30 -2.91	29.72 1.65 -1.47	31.28 2.00 -1.52	33.32 4.16 -0.03	38.49 4.44 -1.91	42.23 4.35 -5.47	53.78 4.11 -17.33	49.29 4.16 -7.01	52.15 4.23 -11.75	74.88 4.88 -29.32	102.07 5.21 -47.68	59.04 4.22 -15.78	51.69 3.06 -16.42	46.90 4.34 -10.38	44.61 4.28 -9.07	32.76 3.79 -0.02	29.95 3.54 -0.02
WADING RIVER_IC_2 23547	26.22 1.19 -5.27	23.78 1.42 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.97 1.81 -0.83	25.67 2.52 -0.29	28.72 1.30 -2.91	29.72 1.65 -1.47	31.28 2.00 -1.52	33.32 4.16 -0.03	38.49 4.44 -1.91	42.23 4.35 -5.47	53.78 4.11 -17.33	49.29 4.16 -7.01	52.15 4.23 -11.75	74.88 4.88 -29.32	102.07 5.21 -47.68	59.04 4.22 -15.78	51.69 3.06 -16.42	46.90 4.34 -10.38	44.61 4.28 -9.07	32.76 3.79 -0.02	29.95 3.54 -0.02
WADING RIVER_IC_3 23601	26.22 1.19 -5.27	23.78 1.42 -2.31	22.33 0.84 -1.40	21.07 0.81 -0.97	22.04 1.45 -1.33	22.97 1.81 -0.83	25.67 2.52 -0.29	28.72 1.30 -2.91	29.72 1.65 -1.47	31.28 2.00 -1.52	33.32 4.16 -0.03	38.49 4.44 -1.91	42.23 4.35 -5.47	53.78 4.11 -17.33	49.29 4.16 -7.01	52.15 4.23 -11.75	74.88 4.88 -29.32	102.07 5.21 -47.68	59.04 4.22 -15.78	51.69 3.06 -16.42	46.90 4.34 -10.38	44.61 4.28 -9.07	32.76 3.79 -0.02	29.95 3.54 -0.02
WALDENNY_12_KV_BK2 80841	21.58 0.93 -0.88	21.24 0.80 -0.39	21.16 0.84 -0.24	19.93 0.48 -0.16	19.90 0.40 -0.22	21.31 0.83 -0.14	23.39 0.48 -0.05	25.02 0.02 -0.49	27.01 0.16 -0.25	28.21 0.19 -0.26	29.82 0.70 0.00	33.27 1.12 0.00	34.90 2.07 -0.41	35.33 2.10 -0.88	40.83 2.59 -0.11	40.96 2.82 -1.97	45.58 3.50 -1.40	54.04 3.34 -1.51	44.48 3.32 -2.12	36.37 2.35 -1.81	34.85 1.99 -0.68	32.79 1.53 0.00	29.99 1.04 0.00	27.44 1.06 0.00
WALDEN__HYDRO 24148	25.90 0.95 -5.18	23.30 0.98 -2.27	22.37 0.90 -1.38	21.15 0.91 -0.96	21.48 0.91 -1.30	22.13 0.98 -0.81	24.43 1.28 -0.29	28.60 1.23 -2.86	29.37 1.33 -1.44	30.92 1.67 -1.49	31.37 2.24 0.00	34.74 2.60 0.00	37.29 2.50 -2.37	39.87 2.43 -5.10	41.75 3.01 -0.62	47.97 2.97 -8.84	53.79 3.29 -9.82	61.31 3.49 -8.63	54.22 3.05 -12.13	44.59 2.03 -10.35	38.18 2.09 -3.91	33.32 2.06 0.00	30.60 1.65 0.00	27.94 1.56 0.00
WARRENSBURG____ 23737	37.38 1.46 -16.16	28.47 1.34 -7.08	25.79 1.41 -4.30	23.54 1.27 -2.98	24.60 1.27 -4.06	24.27 1.40 -2.53	25.23 1.46 -0.90	35.04 1.62 -8.91	33.01 1.94 -4.47	34.42 2.03 -4.64	31.51 2.39 0.00	34.87 2.73 0.00	42.78 2.98 -7.38	51.28 3.04 -15.90	43.28 3.24 -1.92	50.05 3.18 -10.69	69.68 3.74 -25.25	80.89 4.67 -27.03	80.72 3.71 -37.97	67.68 3.06 -32.41	47.36 2.93 -12.25	34.01 2.75 0.00	31.26 2.32 0.00	28.47 2.08 0.00
WATERSIDE____6 8 9 23538	26.14 1.11 -5.27	23.48 1.12 -2.31	22.51 1.02 -1.40	21.30 1.04 -0.97	21.61 1.02 -1.32	22.24 1.08 -0.83	24.55 1.39 -0.29	28.82 1.40 -2.91	29.66 1.60 -1.46	31.33 2.05 -1.52	31.54 2.42 0.00	34.89 2.73 -0.02	37.75 2.92 -2.41	40.28 2.75 -5.19	42.18 3.43 -0.62	48.83 3.58 -9.08	54.56 3.78 -10.09	48.86 4.52 4.85	50.25 3.40 -7.81	45.18 2.32 -10.66	38.74 2.54 -4.02	33.66 2.41 0.01	31.12 2.17 -0.01	28.40 2.01 -0.01
WATKINRD_115KV_LN8_ILLION 55919	19.72 -0.04 0.00	20.01 -0.04 0.00	20.04 -0.04 0.00	19.25 -0.04 0.00	19.23 -0.04 0.00	20.32 -0.02 0.00	22.87 0.00 0.00	24.46 -0.05 0.00	26.57 -0.03 0.00	27.73 -0.03 0.00	29.12 0.00 0.00	32.34 0.19 0.00	32.65 0.23 0.00	32.41 0.06 0.00	38.20 0.08 0.00	37.90 0.00 -1.73	40.68 0.00 0.00	49.13 -0.05 0.00	39.08 0.04 0.00	32.18 -0.03 0.00	32.18 0.00 0.00	31.32 0.06 0.00	28.95 0.00 0.00	26.39 0.00 0.00
WATSON____69_KV_BK 1 55734	26.52 1.48 -5.27	23.94 1.58 -2.31	22.65 1.16 -1.40	21.48 1.22 -0.97	22.10 1.50 -1.33	22.93 1.77 -0.83	25.56 2.40 -0.29	29.23 1.81 -2.91	30.25 2.18 -1.47	31.97 2.69 -1.52	32.88 3.73 -0.02	37.69 4.11 -1.43	43.73 4.51 -6.81	47.75 4.11 -11.30	52.29 4.42 -9.74	50.78 4.20 -10.41	65.20 4.80 -19.72	82.58 5.07 -28.33	57.35 4.14 -14.17	48.52 2.74 -13.58	48.75 4.18 -12.39	46.42 4.00 -11.16	32.60 3.62 -0.04	29.75 3.32 -0.04
WDELAWARE__HYD 323627	26.77 1.15 -5.86	23.80 1.18 -2.57	22.69 1.04 -1.56	21.43 1.06 -1.08	21.80 1.06 -1.47	22.37 1.12 -0.92	24.79 1.60 -0.33	29.32 1.57 -3.23	29.96 1.73 -1.63	31.55 2.11 -1.69	32.06 2.94 0.00	35.65 3.50 0.00	38.47 3.37 -2.68	41.37 3.27 -5.77	42.82 4.00 -0.70	48.73 3.87 -8.69	52.82 3.42 -8.72	61.10 3.59 -8.33	53.90 3.16 -11.70	44.22 2.03 -9.98	38.04 2.09 -3.77	33.38 2.13 0.00	30.62 1.68 0.00	27.92 1.53 0.00
WEST BABYLON__IC 23714	26.42 1.38 -5.27	23.82 1.46 -2.31	22.57 1.08 -1.40	21.40 1.14 -0.97	21.98 1.39 -1.33	22.79 1.63 -0.83	25.38 2.22 -0.29	29.14 1.72 -2.91	30.11 2.05 -1.47	31.83 2.55 -1.52	32.58 3.44 -0.02	37.00 3.79 -1.06	40.82 4.18 -4.22	42.90 3.85 -6.71	46.58 4.12 -4.34	49.47 3.91 -9.39	57.53 4.43 -12.41	67.36 4.62 -13.56	55.68 3.75 -12.89	46.08 2.51 -11.36	43.47 3.89 -7.39	42.00 3.69 -7.05	32.30 3.33 -0.03	29.50 3.09 -0.03
WEST CANADA__HYD 24049	19.84 0.08 0.00	20.11 0.06 0.00	20.14 0.06 0.00	19.37 0.08 0.00	19.33 0.06 0.00	20.42 0.08 0.00	22.96 0.09 0.00	24.56 0.05 0.00	26.65 0.05 0.00	27.84 0.08 0.00	29.27 0.15 0.00	32.37 0.23 0.00	32.68 0.26 0.00	32.54 0.20 0.00	38.40 0.27 0.00	38.12 0.22 -1.73	40.93 0.25 0.00	49.43 0.25 0.00	39.32 0.28 0.00	32.37 0.16 0.00	32.34 0.16 0.00	31.45 0.19 0.00	29.06 0.12 0.00	26.49 0.11 0.00
WESTERN_NY_WIND 24143	21.55 0.99 -0.80	21.28 0.88 -0.35	21.18 0.88 -0.21	19.96 0.52 -0.15	19.93 0.46 -0.20	21.40 0.94 -0.12	23.48 0.57 -0.04	25.03 0.07 -0.44	26.96 0.13 -0.22	28.18 0.20 -0.23	29.62 0.49 0.00	33.30 1.16 0.00	34.63 1.85 -0.36	35.17 2.04 -0.78	40.51 2.29 -0.09	40.87 2.79 -1.92	45.20 3.26 -1.26	53.93 3.39 -1.36	44.16 3.20 -1.91	36.26 2.42 -1.63	34.95 2.16 -0.62	33.32 2.06 0.00	30.39 1.45 0.00	27.68 1.29 0.00



WESTOVER___LESR 323668	22.16 0.55 -1.84	21.37 0.52 -0.81	21.11 0.54 -0.49	20.05 0.42 -0.34	20.14 0.40 -0.46	21.20 0.57 -0.29	23.52 0.55 -0.10	25.94 0.42 -1.01	27.59 0.48 -0.51	29.21 0.47 -0.98	30.39 0.70 -0.57	33.89 1.00 -0.75	35.37 1.39 -1.55	36.35 1.39 -2.62	41.25 1.68 -1.44	41.58 1.77 -3.63	47.09 2.07 -4.33	56.23 2.16 -4.89	46.80 2.07 -5.69	38.21 1.42 -4.58	35.65 1.35 -2.12	33.03 1.16 -0.62	30.33 0.90 -0.49	27.53 0.77 -0.37
WETHRSFD_WT_PWR 323626	21.60 0.83 -1.01	21.23 0.74 -0.44	21.11 0.76 -0.27	19.96 0.48 -0.19	19.93 0.41 -0.25	21.29 0.79 -0.16	23.42 0.50 -0.06	25.17 0.10 -0.56	27.04 0.16 -0.28	28.22 0.17 -0.29	29.62 0.49 0.00	33.20 1.06 0.00	34.53 1.65 -0.46	35.05 1.71 -0.99	40.23 1.98 -0.12	40.61 2.42 -2.02	45.08 2.80 -1.60	53.60 2.70 -1.72	44.19 2.73 -2.42	36.14 1.87 -2.06	34.60 1.64 -0.78	32.76 1.50 0.00	29.90 0.95 0.00	27.23 0.84 0.00
WHAVSTOR_138KV_BK127 55557	25.64 0.79 -5.08	23.10 0.82 -2.23	22.20 0.76 -1.35	21.02 0.79 -0.94	21.34 0.79 -1.28	21.99 0.85 -0.80	24.27 1.12 -0.28	28.32 1.01 -2.80	29.10 1.09 -1.41	30.67 1.44 -1.46	30.90 1.78 0.00	34.14 1.99 0.00	36.95 2.20 -2.32	39.51 2.17 -5.00	41.40 2.67 -0.60	47.82 2.79 -8.87	53.55 3.09 -9.78	61.11 3.34 -8.58	53.75 2.65 -12.05	44.24 1.74 -10.29	37.93 1.87 -3.89	32.94 1.69 0.00	30.39 1.45 0.00	27.81 1.42 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	25.64 0.79 -5.08	23.10 0.82 -2.23	22.20 0.76 -1.35	21.02 0.79 -0.94	21.34 0.79 -1.28	21.99 0.85 -0.80	24.27 1.12 -0.28	28.32 1.01 -2.80	29.10 1.09 -1.41	30.67 1.44 -1.46	30.90 1.78 0.00	34.14 1.99 0.00	36.95 2.20 -2.32	39.51 2.17 -5.00	41.40 2.67 -0.60	47.82 2.79 -8.87	53.55 3.09 -9.78	61.11 3.34 -8.58	53.75 2.65 -12.05	44.24 1.74 -10.29	37.93 1.87 -3.89	32.94 1.69 0.00	30.39 1.45 0.00	27.81 1.42 0.00
WHITEHAL_115KV_TB1 80871	37.97 2.15 -16.05	29.05 1.96 -7.03	26.41 2.05 -4.28	24.10 1.85 -2.96	25.14 1.83 -4.04	24.91 2.05 -2.51	25.91 2.15 -0.89	35.80 2.43 -8.86	33.97 2.93 -4.44	35.36 3.00 -4.60	32.53 3.41 0.00	36.10 3.95 0.00	44.19 4.44 -7.33	52.77 4.62 -15.80	45.14 5.11 -1.90	51.74 4.92 -10.65	71.43 5.65 -25.10	83.02 6.98 -26.86	82.31 5.54 -37.72	69.05 4.64 -32.20	48.76 4.41 -12.17	35.29 4.03 0.00	32.45 3.50 0.00	29.42 3.03 0.00
WHITEPLN_13_KV_LOAD 356215	26.09 1.07 -5.26	23.45 1.10 -2.30	22.51 1.02 -1.40	21.30 1.04 -0.97	21.63 1.04 -1.32	22.28 1.12 -0.82	24.60 1.44 -0.29	28.81 1.40 -2.90	29.63 1.57 -1.46	31.25 1.97 -1.52	31.51 2.39 0.00	35.07 2.92 0.00	38.13 3.31 -2.40	40.46 2.94 -5.18	42.41 3.66 -0.62	49.09 3.87 -9.05	54.99 4.23 -10.08	62.87 4.82 -8.87	55.25 3.75 -12.46	45.48 2.64 -10.63	38.96 2.77 -4.02	33.66 2.41 0.00	31.00 2.06 0.00	28.29 1.90 0.00
WM_FLOYD_69_KV_BK2 356380	26.32 1.28 -5.27	23.86 1.50 -2.31	22.43 0.94 -1.40	21.30 1.04 -0.97	22.04 1.45 -1.33	22.93 1.77 -0.83	25.58 2.42 -0.29	28.92 1.50 -2.91	29.93 1.86 -1.47	31.55 2.28 -1.52	32.94 3.79 -0.03	38.09 4.02 -1.93	42.24 4.31 -5.51	53.94 4.08 -17.52	49.50 4.27 -7.10	51.98 4.01 -11.80	74.99 4.68 -29.63	102.50 4.97 -48.35	59.01 4.06 -15.91	51.52 2.74 -16.58	46.79 4.12 -10.49	44.33 3.94 -9.14	32.59 3.62 -0.02	29.76 3.35 -0.02
WOODARD__115KV_TB2 355635	20.19 0.00 -0.43	20.21 -0.02 -0.19	20.18 -0.02 -0.11	19.29 -0.08 -0.08	19.28 -0.10 -0.11	20.40 0.00 -0.07	22.82 -0.07 -0.02	24.60 -0.15 -0.23	26.56 -0.16 -0.12	28.50 -0.17 -0.90	30.05 -0.06 -0.98	33.56 0.13 -1.29	34.12 0.39 -1.31	34.21 0.39 -1.48	40.87 0.50 -2.25	40.45 0.58 -3.70	44.44 0.65 -3.11	53.51 0.59 -3.74	42.90 0.62 -3.23	34.88 0.39 -2.29	34.00 0.29 -1.53	32.54 0.22 -1.07	29.82 0.03 -0.84	27.03 0.00 -0.64
YORK___WARBASSE 23770	26.29 1.25 -5.28	23.63 1.26 -2.32	22.66 1.16 -1.41	21.45 1.18 -0.98	21.76 1.16 -1.33	22.36 1.20 -0.83	24.67 1.51 -0.29	28.92 1.50 -2.91	29.79 1.73 -1.46	31.50 2.22 -1.52	31.69 2.56 0.00	35.08 2.92 -0.02	37.97 3.14 -2.41	40.50 2.98 -5.19	42.54 3.74 -0.68	49.09 3.83 -9.08	54.80 4.03 -10.09	159.30 4.92 -105.20	87.94 3.71 -45.19	45.41 2.54 -10.66	39.03 2.77 -4.08	33.99 2.63 -0.11	31.31 2.34 -0.02	28.59 2.19 -0.01