

Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																--- Marginal Cost of Losses																--- Marginal Cost of Congestion																12/01/2024		
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00																											
59TH STREET_GT_1	24138	EST 51.53 2.09 -14.08	EST 50.20 1.88 -14.81	EST 49.25 1.90 -10.78	EST 47.23 1.97 -8.09	EST 48.45 1.92 -10.99	EST 48.80 1.69 -17.88	EST 54.33 2.00 -19.49	EST 60.23 2.05 -25.10	EST 56.07 2.54 -17.28	EST 54.19 2.63 -15.10	EST 72.35 2.24 -38.16	EST 66.94 2.24 -32.24	EST 66.22 2.34 -28.43	EST 68.92 2.21 -31.04	EST 73.32 2.07 -36.22	EST 82.11 2.50 -41.18	EST 95.90 3.05 -47.33	EST 103.92 4.02 -42.42	EST 103.28 3.19 -55.79	EST 102.73 3.29 -51.74	EST 88.25 3.03 -38.65	EST 84.31 2.55 -41.87	EST 78.30 2.42 -35.46	EST 72.09 2.74 -17.59																											
74TH STREET_GT_1	24260	EST 51.57 2.12 -14.09	EST 50.24 1.91 -14.81	EST 49.29 1.94 -10.78	EST 47.27 2.01 -8.09	EST 48.49 1.95 -10.99	EST 48.83 1.72 -17.88	EST 54.36 2.04 -19.49	EST 60.24 2.05 -25.10	EST 56.11 2.57 -17.28	EST 54.23 2.66 -15.10	EST 72.42 2.30 -38.17	EST 67.02 2.31 -32.24	EST 66.36 2.48 -28.44	EST 69.13 2.42 -31.05	EST 73.47 2.21 -36.22	EST 82.23 2.61 -41.19	EST 95.82 2.96 -47.34	EST 103.93 4.02 -42.43	EST 103.24 3.15 -55.79	EST 102.65 3.20 -51.75	EST 88.21 2.98 -38.66	EST 84.27 2.51 -41.88	EST 78.31 2.42 -35.47	EST 72.25 2.90 -17.59																											
74TH STREET_GT_2	24261	EST 51.57 2.12 -14.09	EST 50.24 1.91 -14.81	EST 49.29 1.94 -10.78	EST 47.27 2.01 -8.09	EST 48.49 1.95 -10.99	EST 48.83 1.72 -17.88	EST 54.36 2.04 -19.49	EST 60.24 2.05 -25.10	EST 56.11 2.57 -17.28	EST 54.23 2.66 -15.10	EST 72.42 2.30 -38.17	EST 67.02 2.31 -32.24	EST 66.36 2.48 -28.44	EST 69.13 2.42 -31.05	EST 73.47 2.21 -36.22	EST 82.23 2.61 -41.19	EST 95.82 2.96 -47.34	EST 103.93 4.02 -42.43	EST 103.24 3.15 -55.79	EST 102.65 3.20 -51.75	EST 88.21 2.98 -38.66	EST 84.27 2.51 -41.88	EST 78.31 2.42 -35.47	EST 72.25 2.90 -17.59																											
ADK HUDSON___FALLS	24011	EST 55.02 2.44 -17.23	EST 53.94 2.31 -18.11	EST 52.20 2.45 -13.18	EST 49.48 2.42 -9.89	EST 51.43 2.45 -13.44	EST 53.17 2.08 -21.86	EST 59.02 2.33 -23.85	EST 66.15 2.35 -30.72	EST 60.16 2.76 -21.14	EST 57.57 2.63 -18.47	EST 80.21 1.57 -46.70	EST 73.44 1.53 -39.45	EST 71.94 1.70 -34.80	EST 75.29 1.64 -37.99	EST 80.97 1.61 -44.32	EST 90.83 2.00 -50.40	EST 106.04 2.59 -57.92	EST 112.78 3.39 -51.92	EST 115.18 2.61 -68.27	EST 113.74 2.72 -63.32	EST 96.48 2.61 -47.30	EST 93.20 2.07 -51.24	EST 85.91 2.10 -43.40	EST 75.91 2.64 -21.51																											
ADK RESOURCE___RCVRY	23798	EST 55.28 2.69 -17.24	EST 54.15 2.51 -18.12	EST 52.43 2.67 -13.19	EST 49.71 2.64 -9.90	EST 51.65 2.67 -13.44	EST 53.39 2.28 -21.88	EST 59.26 2.56 -23.87	EST 66.40 2.58 -30.74	EST 60.46 3.05 -21.16	EST 57.88 2.92 -18.48	EST 80.40 1.72 -46.73	EST 73.63 1.69 -39.47	EST 72.18 1.91 -34.82	EST 75.49 1.82 -38.01	EST 81.14 1.75 -44.35	EST 91.09 2.23 -50.43	EST 106.30 2.82 -57.96	EST 113.16 3.73 -51.95	EST 115.45 2.84 -68.31	EST 114.02 2.96 -63.36	EST 96.74 2.84 -47.33	EST 93.43 2.27 -51.27	EST 86.10 2.26 -43.43	EST 76.13 2.85 -21.52																											
ADK S GLENS___FALLS	24028	EST 55.02 2.44 -17.23	EST 53.94 2.31 -18.11	EST 52.20 2.45 -13.18	EST 49.48 2.42 -9.89	EST 51.43 2.45 -13.44	EST 53.17 2.08 -21.86	EST 59.02 2.33 -23.85	EST 66.15 2.35 -30.72	EST 60.16 2.76 -21.14	EST 57.57 2.63 -18.47	EST 80.21 1.57 -46.70	EST 73.44 1.53 -39.45	EST 71.94 1.70 -34.80	EST 75.29 1.64 -37.99	EST 80.97 1.61 -44.32	EST 90.83 2.00 -50.40	EST 106.04 2.59 -57.92	EST 112.78 3.39 -51.92	EST 115.18 2.61 -68.27	EST 113.74 2.72 -63.32	EST 96.48 2.61 -47.30	EST 93.20 2.07 -51.24	EST 85.91 2.10 -43.40	EST 75.91 2.64 -21.51																											
ADK_NYS___DAM	23527	EST 53.91 1.87 -16.68	EST 52.76 1.71 -17.54	EST 51.20 1.86 -12.76	EST 48.60 1.86 -9.58	EST 50.43 1.88 -13.01	EST 51.94 1.55 -21.16	EST 57.60 1.67 -23.09	EST 64.63 1.82 -29.74	EST 58.79 2.07 -20.47	EST 56.40 2.04 -17.88	EST 78.79 1.63 -45.21	EST 72.38 1.72 -38.19	EST 71.08 1.95 -33.68	EST 74.47 2.03 -36.78	EST 79.98 2.03 -42.91	EST 89.45 2.23 -48.79	EST 104.28 2.69 -56.07	EST 111.30 3.56 -50.26	EST 113.09 2.70 -66.09	EST 111.76 2.77 -61.30	EST 95.11 2.75 -45.79	EST 91.80 2.31 -49.60	EST 84.73 2.30 -42.01	EST 75.64 3.05 -20.82																											
AIR_PRODUCTS___DRP	24190	EST 52.44 0.35 -16.73	EST 51.44 0.34 -17.59	EST 49.70 0.33 -12.80	EST 47.11 0.33 -9.61	EST 48.94 0.36 -13.05	EST 50.75 0.29 -21.23	EST 56.29 0.30 -23.16	EST 63.17 0.26 -29.83	EST 57.15 0.36 -20.53	EST 54.85 0.44 -17.94	EST 78.09 0.80 -45.35	EST 71.62 0.84 -38.31	EST 70.16 0.92 -33.79	EST 73.48 0.93 -36.89	EST 78.99 0.91 -43.04	EST 87.87 0.50 -48.94	EST 102.36 0.59 -56.24	EST 108.64 0.75 -50.41	EST 111.12 0.53 -66.29	EST 109.76 0.57 -61.48	EST 93.10 0.61 -45.93	EST 90.16 0.52 -49.76	EST 83.48 0.93 -42.14	EST 74.05 1.40 -20.89																											
AKWESSNE_115KV_BK	355683	EST 33.27 -2.09 0.00	EST 31.50 -2.01 0.00	EST 34.78 -1.79 0.00	EST 34.90 -2.27 0.00	EST 33.30 -2.24 0.00	EST 26.98 -2.25 0.00	EST 30.63 -2.20 0.00	EST 31.39 -1.69 0.00	EST 34.66 -1.60 0.00	EST 35.27 -1.20 0.00	EST 30.77 -1.18 0.00	EST 31.33 -1.14 0.00	EST 34.45 -0.99 0.00	EST 34.70 -0.96 0.00	EST 33.95 -1.09 0.00	EST 37.12 -1.31 0.00	EST 44.84 -0.68 0.00	EST 56.96 -0.52 0.00	EST 43.59 -0.71 0.00	EST 47.08 -0.62 0.00	EST 46.62 0.05 0.00	EST 39.64 -0.24 0.00	EST 40.33 -0.08 0.00	EST 52.54 0.78 0.00																											
ALBANY_1_SOLAR	323833	EST 52.85 1.06 -16.44	EST 51.80 1.00 -17.28	EST 50.25 1.10 -12.58	EST 47.69 1.08 -9.44	EST 49.47 1.10 -12.82	EST 50.97 0.88 -20.86	EST 56.54 0.95 -22.76	EST 63.25 0.86 -29.31	EST 57.37 0.94 -20.17	EST 54.94 0.84 -17.63	EST 77.40 0.89 -44.56	EST 71.02 0.91 -37.64	EST 69.71 1.06 -33.20	EST 72.98 1.07 -36.25	EST 78.48 1.15 -42.29	EST 87.67 1.15 -48.09	EST 102.20 1.41 -55.27	EST 108.85 1.84 -49.54	EST 110.81 1.37 -65.14	EST 109.60 1.48 -60.42	EST 93.15 1.45 -45.13	EST 90.01 1.24 -48.89	EST 83.27 1.45 -41.41	EST 74.25 1.97 -20.52																											
ALBANY_2_SOLAR	323834	EST 52.85 1.06 -16.44	EST 51.80 1.00 -17.29	EST 50.25 1.10 -12.58	EST 47.69 1.08 -9.44	EST 49.43 1.07 -12.82	EST 50.97 0.88 -20.86	EST 56.55 0.95 -22.76	EST 63.25 0.86 -29.31	EST 57.38 0.94 -20.18	EST 54.94 0.84 -17.63	EST 77.41 0.89 -44.56	EST 71.02 0.91 -37.64	EST 69.68 1.03 -33.20	EST 72.98 1.07 -36.25	EST 78.49 1.15 -42.30	EST 87.67 1.15 -48.09	EST 102.16 1.36 -55.27	EST 108.80 1.78 -49.54	EST 110.82 1.37 -65.15	EST 109.61 1.48 -60.42	EST 93.15 1.45 -45.13	EST 90.02 1.24 -48.90	EST 83.28 1.45 -41.41	EST 74.26 1.97 -20.52																											
ALBANY___1	23571	EST 52.44 0.35 -16.73	EST 51.44 0.34 -17.59	EST 49.70 0.33 -12.80	EST 47.11 0.33 -9.61	EST 48.94 0.36 -13.05	EST 50.75 0.29 -21.23	EST 56.29 0.30 -23.16	EST 63.17 0.26 -29.83	EST 57.15 0.36 -20.53	EST 54.85 0.44 -17.94	EST 78.09 0.80 -45.35	EST 71.62 0.84 -38.31	EST 70.16 0.92 -33.79	EST 73.48 0.93 -36.89	EST 78.99 0.91 -43.04	EST 87.87 0.50 -48.94	EST 102.36 0.59 -56.24	EST 108.64 0.75 -50.41	EST 111.12 0.53 -66.29	EST 109.76 0.57 -61.48	EST 93.10 0.61 -45.93	EST 90.16 0.52 -49.76	EST 83.48 0.93 -42.14	EST 74.05 1.40 -20.89																											

ALBANY___2 23572	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.30 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.09 0.80 -45.35	71.62 0.84 -38.31	70.16 0.92 -33.79	73.48 0.93 -36.89	78.99 0.91 -43.04	87.87 0.50 -48.94	102.36 0.59 -56.24	108.64 0.75 -50.41	111.12 0.53 -66.29	109.76 0.57 -61.48	93.10 0.61 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
ALBANY___3 23573	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.30 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.09 0.80 -45.35	71.62 0.84 -38.31	70.16 0.92 -33.79	73.48 0.93 -36.89	78.99 0.91 -43.04	87.87 0.50 -48.94	102.36 0.59 -56.24	108.64 0.75 -50.41	111.12 0.53 -66.29	109.76 0.57 -61.48	93.10 0.61 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
ALBANY___4 23574	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.30 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.09 0.80 -45.35	71.62 0.84 -38.31	70.16 0.92 -33.79	73.48 0.93 -36.89	78.99 0.91 -43.04	87.87 0.50 -48.94	102.36 0.59 -56.24	108.64 0.75 -50.41	111.12 0.53 -66.29	109.76 0.57 -61.48	93.10 0.61 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
ALBANY___LFGE 323615	52.90 0.67 -16.87	51.88 0.64 -17.74	50.14 0.66 -12.91	47.53 0.67 -9.69	49.37 0.67 -13.16	51.19 0.55 -21.41	56.78 0.59 -23.36	63.72 0.56 -30.08	57.69 0.72 -20.70	55.33 0.77 -18.09	78.70 1.02 -45.73	72.14 1.04 -38.63	70.69 1.17 -34.07	74.04 1.18 -37.20	79.63 1.19 -43.40	88.70 0.92 -49.35	103.24 1.00 -56.72	109.64 1.32 -50.84	112.12 0.97 -66.85	110.76 1.05 -62.00	93.91 1.02 -46.32	90.94 0.88 -50.18	84.12 1.21 -42.50	74.59 1.76 -21.06
ALCOA_PA_115KV_PL-6C 55860	33.59 -1.98 -0.22	31.83 -1.91 -0.23	35.06 -1.68 -0.17	35.14 -2.16 -0.12	33.58 -2.13 -0.17	27.34 -2.16 -0.27	31.03 -2.10 -0.30	31.91 -1.55 -0.39	35.07 -1.45 -0.27	35.65 -1.06 -0.23	31.45 -1.09 -0.59	31.93 -1.04 -0.50	34.96 -0.92 -0.44	35.32 -0.82 -0.48	34.65 -0.95 -0.56	37.91 -1.15 -0.63	45.75 -0.50 -0.73	57.84 -0.29 -0.65	44.62 -0.53 -0.86	48.12 -0.38 -0.79	47.44 0.28 -0.59	40.49 -0.04 -0.64	41.04 0.08 -0.54	53.02 0.98 -0.27
ALCOA_RYNLDS___DRP 24188	33.59 -1.98 -0.22	31.83 -1.91 -0.23	35.06 -1.68 -0.17	35.14 -2.16 -0.12	33.58 -2.13 -0.17	27.34 -2.16 -0.27	31.03 -2.10 -0.30	31.91 -1.55 -0.39	35.07 -1.45 -0.27	35.65 -1.06 -0.23	31.45 -1.09 -0.59	31.93 -1.04 -0.50	34.96 -0.92 -0.44	35.32 -0.82 -0.48	34.65 -0.95 -0.56	37.91 -1.15 -0.63	45.75 -0.50 -0.73	57.84 -0.29 -0.65	44.62 -0.53 -0.86	48.12 -0.38 -0.79	47.44 0.28 -0.59	40.49 -0.04 -0.64	41.04 0.08 -0.54	53.02 0.98 -0.27
ALCOA___DSASP 323711	33.59 -1.98 -0.22	31.83 -1.91 -0.23	35.06 -1.68 -0.17	35.14 -2.16 -0.12	33.58 -2.13 -0.17	27.34 -2.16 -0.27	31.03 -2.10 -0.30	31.91 -1.55 -0.39	35.07 -1.45 -0.27	35.64 -1.06 -0.23	31.45 -1.09 -0.59	31.92 -1.04 -0.50	34.96 -0.92 -0.44	35.28 -0.86 -0.48	34.65 -0.94 -0.56	37.91 -1.15 -0.63	45.84 -0.41 -0.73	57.73 -0.40 -0.65	44.58 -0.58 -0.86	48.02 -0.48 -0.79	47.31 0.14 -0.59	40.57 0.04 -0.64	41.04 0.08 -0.54	53.02 0.98 -0.27
ALLEGHENY___COGEN 23514	37.42 -0.18 -2.24	35.60 -0.27 -2.35	37.99 -0.29 -1.71	38.15 -0.30 -1.29	37.18 -0.11 -1.75	31.96 -0.12 -2.84	35.69 -0.10 -2.95	36.78 -0.10 -3.80	38.55 -0.33 -2.62	37.95 -0.80 -2.29	36.83 -0.89 -5.78	36.38 -0.97 -4.88	38.76 -0.99 -4.30	39.32 -1.04 -4.70	39.64 -0.87 -5.48	44.16 -0.50 -6.23	52.55 -0.14 -7.16	64.07 0.17 -6.42	53.14 0.40 -8.44	55.77 0.24 -7.83	52.51 0.09 -5.85	46.26 0.04 -6.34	45.82 0.04 -5.37	54.77 0.21 -2.79
ALTAMONT_115KV_TB 2 55880	52.89 0.81 -16.72	51.86 0.77 -17.58	50.21 0.84 -12.79	47.62 0.85 -9.60	49.43 0.85 -13.04	51.12 0.67 -21.22	56.74 0.76 -23.15	63.65 0.76 -29.81	57.68 0.91 -20.52	55.31 0.91 -17.93	78.16 0.89 -45.32	71.66 0.91 -38.28	70.21 0.99 -33.77	73.53 1.00 -36.87	79.03 0.98 -43.01	88.34 1.00 -48.91	102.92 1.18 -56.21	109.35 1.49 -50.38	111.70 1.15 -66.25	110.39 1.24 -61.45	93.68 1.21 -45.90	90.65 1.04 -49.73	83.66 1.13 -42.12	74.09 1.45 -20.87
ALTONA_WT_PWR 323606	33.17 -2.19 0.00	31.40 -2.11 0.00	34.71 -1.86 0.00	34.83 -2.34 0.00	33.27 -2.28 0.00	26.95 -2.28 0.00	30.63 -2.20 0.00	31.43 -1.65 0.00	34.70 -1.56 0.00	35.38 -1.09 0.00	30.80 -1.15 0.00	31.37 -1.10 0.00	34.52 -0.92 0.00	34.84 -0.82 0.00	34.16 -0.87 0.00	37.43 -1.00 0.00	45.43 -0.09 0.00	57.53 0.06 0.00	43.94 -0.36 0.00	47.47 -0.24 0.00	46.94 0.37 0.00	40.12 0.24 0.00	40.77 0.36 0.00	53.21 1.45 0.00
AMERICAN_REF_FUEL 24010	34.16 -3.15 -1.95	32.45 -3.12 -2.05	34.70 -3.36 -1.49	34.90 -3.38 -1.12	34.01 -3.06 -1.52	29.25 -2.46 -2.47	31.73 -3.25 -2.15	32.01 -3.84 -2.77	33.81 -4.35 -1.91	33.72 -4.41 -1.67	32.38 -3.77 -4.21	32.13 -3.90 -3.55	34.40 -4.18 -3.13	34.91 -4.17 -3.42	35.00 -4.03 -3.99	38.47 -4.50 -4.54	45.00 -5.74 -5.21	54.85 -7.30 -4.67	45.08 -5.36 -6.14	47.34 -6.06 -5.70	44.92 -5.92 -4.26	39.71 -4.79 -4.61	40.00 -4.32 -3.91	49.59 -4.61 -2.43
ARKWRIGHT___SUMMIT_WT_PWR 323751	34.40 -3.11 -2.16	32.73 -3.05 -2.27	35.01 -3.22 -1.65	35.29 -3.12 -1.24	34.56 -2.67 -1.68	29.87 -2.10 -2.74	32.65 -2.66 -2.47	33.42 -2.85 -3.18	35.26 -3.19 -2.19	35.03 -3.35 -1.91	34.00 -2.78 -4.83	33.63 -2.92 -4.08	35.89 -3.15 -3.60	36.49 -3.10 -3.93	36.79 -2.84 -4.59	40.61 -3.04 -5.21	47.78 -3.73 -5.99	58.65 -4.19 -5.37	48.26 -3.10 -7.06	50.58 -3.67 -6.55	48.02 -3.45 -4.89	42.31 -2.87 -5.30	42.36 -2.54 -4.49	51.61 -2.85 -2.70
ARTHUR KILL_GT_1 23520	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.86 1.60 -8.09	48.06 1.53 -10.99	48.46 1.35 -17.88	53.90 1.58 -19.49	59.70 1.52 -25.10	55.46 1.92 -17.28	53.61 2.04 -15.10	71.87 1.76 -38.17	66.45 1.75 -32.23	64.94 1.06 -28.43	65.32 0.85 -28.80	65.35 0.74 -29.58	66.41 1.15 -26.83	69.50 2.28 -21.71	77.48 3.16 -16.84	76.88 2.52 -30.06	76.38 2.57 -26.10	67.11 2.24 -18.30	67.29 2.03 -25.38	67.33 1.98 -24.94	65.45 1.24 -12.44
ARTHUR_KILL_2 23512	51.18 1.73 -14.09	49.80 1.47 -14.81	48.82 1.46 -10.78	46.78 1.52 -8.09	47.99 1.46 -10.99	48.37 1.26 -17.88	53.81 1.48 -19.49	59.60 1.42 -25.10	55.35 1.81 -17.28	53.54 1.97 -15.10	71.81 1.69 -38.17	66.36 1.66 -32.23	64.83 0.96 -28.43	65.25 0.78 -28.80	65.24 0.63 -29.58	66.30 1.04 -26.83	69.37 2.14 -21.71	77.31 2.99 -16.84	76.75 2.39 -30.06	76.19 2.38 -26.10	66.97 2.10 -18.30	67.18 1.91 -25.38	67.21 1.86 -24.94	65.35 1.14 -12.44
ARTHUR_KILL_3 23513	51.28 1.84 -14.09	49.97 1.64 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.60 1.49 -17.88	54.13 1.80 -19.49	60.03 1.85 -25.10	55.82 2.29 -17.28	53.98 2.41 -15.10	72.16 2.05 -38.16	66.69 1.98 -32.24	65.90 2.02 -28.44	66.29 1.82 -28.81	66.30 1.68 -29.58	67.30 2.04 -26.83	69.69 2.46 -21.71	77.60 3.27 -16.85	76.93 2.57 -30.06	76.48 2.67 -26.11	67.30 2.42 -18.31	67.30 2.03 -25.38	67.30 1.94 -24.95	66.39 2.17 -12.45

ARTHUR_KILL_COGEN 323718	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.86 1.60 -8.09	48.06 1.53 -10.99	48.46 1.35 -17.88	53.90 1.58 -19.49	59.70 1.52 -25.10	55.46 1.92 -17.28	53.61 2.04 -15.10	71.87 1.76 -38.17	66.45 1.75 -32.23	64.94 1.06 -28.43	65.32 0.85 -28.80	65.35 0.74 -29.58	66.41 1.15 -26.83	69.50 2.28 -21.71	77.48 3.16 -16.84	76.88 2.52 -30.06	76.38 2.57 -26.10	67.11 2.24 -18.30	67.29 2.03 -25.38	67.33 1.98 -24.94	65.45 1.24 -12.44
ASHOKAN____ 23654	51.13 0.49 -15.28	49.99 0.40 -16.07	48.63 0.37 -11.69	46.28 0.33 -8.78	47.89 0.43 -11.92	49.07 0.44 -19.40	54.52 0.52 -21.16	60.89 0.56 -27.25	55.67 0.65 -18.76	53.30 0.44 -16.39	73.70 0.32 -41.43	67.73 0.26 -35.00	66.67 0.35 -30.87	69.72 0.36 -33.70	74.89 0.53 -39.32	83.91 0.77 -44.71	98.09 1.18 -51.39	105.37 1.84 -46.06	106.24 1.37 -60.57	105.17 1.29 -56.17	89.83 1.30 -41.96	86.30 0.96 -45.46	79.84 0.93 -38.50	71.73 0.88 -19.08
ASTORIA_EAST_ENERGY_CC1 323581	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.34 1.23 -17.88	53.73 1.41 -19.49	59.60 1.42 -25.10	55.41 1.88 -17.27	53.64 2.08 -15.09	72.06 1.95 -38.16	66.72 2.01 -32.23	65.82 1.95 -28.43	68.45 1.75 -31.04	72.87 1.61 -36.22	81.57 1.96 -41.18	95.35 2.50 -47.33	103.64 3.39 -42.78	102.79 2.70 -55.79	102.21 2.77 -51.74	87.69 2.47 -38.65	83.99 2.23 -41.88	78.31 2.42 -35.47	72.16 2.79 -17.60
ASTORIA_EAST_ENERGY_CC2 323582	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.34 1.23 -17.88	53.73 1.41 -19.49	59.60 1.42 -25.10	55.45 1.92 -17.27	53.68 2.11 -15.09	72.12 2.01 -38.16	66.75 2.05 -32.23	65.86 1.98 -28.43	68.52 1.82 -31.04	72.90 1.65 -36.22	81.68 2.07 -41.18	95.49 2.64 -47.33	103.82 3.56 -42.78	102.92 2.84 -55.79	102.35 2.91 -51.74	87.87 2.65 -38.65	84.11 2.35 -41.88	78.39 2.51 -35.47	72.26 2.90 -17.60
ASTORIA_GT2_1 24094	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.93 1.67 -8.09	48.06 1.53 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.60 1.42 -25.10	55.46 1.92 -17.28	53.68 2.12 -15.10	72.06 1.95 -38.17	66.72 2.01 -32.24	66.12 2.23 -28.44	68.81 2.10 -31.05	73.12 1.86 -36.22	81.81 2.19 -41.19	95.27 2.41 -47.34	103.65 3.39 -42.79	102.71 2.61 -55.79	102.08 2.62 -51.75	87.65 2.42 -38.66	83.95 2.19 -41.88	78.22 2.34 -35.47	72.36 3.00 -17.59
ASTORIA_GT2_2 24095	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.93 1.67 -8.09	48.06 1.53 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.60 1.42 -25.10	55.46 1.92 -17.28	53.68 2.12 -15.10	72.06 1.95 -38.17	66.72 2.01 -32.24	66.12 2.23 -28.44	68.81 2.10 -31.05	73.12 1.86 -36.22	81.81 2.19 -41.19	95.27 2.41 -47.34	103.65 3.39 -42.79	102.71 2.61 -55.79	102.08 2.62 -51.75	87.65 2.42 -38.66	83.95 2.19 -41.88	78.22 2.34 -35.47	72.36 3.00 -17.59
ASTORIA_GT2_3 24096	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.93 1.67 -8.09	48.06 1.53 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.60 1.42 -25.10	55.46 1.92 -17.28	53.68 2.12 -15.10	72.06 1.95 -38.17	66.72 2.01 -32.24	66.12 2.23 -28.44	68.81 2.10 -31.05	73.12 1.86 -36.22	81.81 2.19 -41.19	95.27 2.41 -47.34	103.65 3.39 -42.79	102.71 2.61 -55.79	102.08 2.62 -51.75	87.65 2.42 -38.66	83.95 2.19 -41.88	78.22 2.34 -35.47	72.36 3.00 -17.59
ASTORIA_GT2_4 24097	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.93 1.67 -8.09	48.06 1.53 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.60 1.42 -25.10	55.46 1.92 -17.28	53.68 2.12 -15.10	72.06 1.95 -38.17	66.72 2.01 -32.24	66.12 2.23 -28.44	68.81 2.10 -31.05	73.12 1.86 -36.22	81.81 2.19 -41.19	95.27 2.41 -47.34	103.65 3.39 -42.79	102.71 2.61 -55.79	102.08 2.62 -51.75	87.65 2.42 -38.66	83.95 2.19 -41.88	78.22 2.34 -35.47	72.36 3.00 -17.59
ASTORIA_GT3_1 24098	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT3_2 24099	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT3_3 24100	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT3_4 24101	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT4_1 24102	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT4_2 24103	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT4_3 24104	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59

ASTORIA_GT4_4 24105	51.25 1.80 -14.09	49.87 1.54 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.77 1.44 -19.49	59.63 1.46 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.15 2.27 -28.44	68.85 2.14 -31.05	73.19 1.93 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.77 3.51 -42.78	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.31 2.42 -35.47	72.41 3.05 -17.59
ASTORIA_GT_1 23523	51.32 1.87 -14.09	49.93 1.61 -14.81	48.92 1.57 -10.78	47.01 1.75 -8.09	48.09 1.56 -10.99	48.39 1.28 -17.88	53.80 1.48 -19.49	59.70 1.52 -25.10	55.52 1.99 -17.27	53.75 2.19 -15.09	72.12 2.01 -38.16	66.78 2.08 -32.23	65.89 2.02 -28.43	68.55 1.85 -31.04	72.93 1.68 -36.22	81.68 2.07 -41.18	95.54 2.69 -47.33	103.88 3.62 -42.78	102.92 2.84 -55.79	102.35 2.91 -51.74	87.87 2.65 -38.65	84.11 2.35 -41.88	78.43 2.55 -35.47	72.31 2.95 -17.60
ASTORIA_GT_10 24110	51.32 1.87 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.84 2.75 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	72.05 2.69 -17.59
ASTORIA_GT_11 24225	51.32 1.87 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.84 2.75 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	72.05 2.69 -17.59
ASTORIA_GT_12 24226	51.32 1.87 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.84 2.75 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	72.05 2.69 -17.59
ASTORIA_GT_13 24227	51.32 1.87 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.84 2.75 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	72.05 2.69 -17.59
ASTORIA_GT_5 24106	51.32 1.87 -14.09	49.93 1.61 -14.81	48.93 1.57 -10.78	46.97 1.71 -8.09	48.09 1.56 -10.99	48.40 1.29 -17.88	53.80 1.48 -19.49	59.67 1.49 -25.10	55.53 1.99 -17.28	53.76 2.19 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.82 3.56 -42.79	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.07 2.31 -41.88	78.31 2.42 -35.47	72.46 3.11 -17.59
ASTORIA_GT_7 24107	51.32 1.87 -14.09	49.93 1.61 -14.81	48.93 1.57 -10.78	46.97 1.71 -8.09	48.09 1.56 -10.99	48.40 1.29 -17.88	53.80 1.48 -19.49	59.67 1.49 -25.10	55.53 1.99 -17.28	53.76 2.19 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.82 3.56 -42.79	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.07 2.31 -41.88	78.31 2.42 -35.47	72.46 3.11 -17.59
ASTORIA_GT_8 24108	51.32 1.87 -14.09	49.93 1.61 -14.81	48.93 1.57 -10.78	46.97 1.71 -8.09	48.09 1.56 -10.99	48.40 1.29 -17.88	53.80 1.48 -19.49	59.67 1.49 -25.10	55.53 1.99 -17.28	53.76 2.19 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.82 3.56 -42.79	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.07 2.31 -41.88	78.31 2.42 -35.47	72.46 3.11 -17.59
ASTORIA___2 24149	51.25 1.80 -14.09	49.90 1.58 -14.81	48.85 1.50 -10.78	46.93 1.67 -8.09	48.02 1.49 -10.99	48.37 1.26 -17.88	53.73 1.41 -19.49	59.63 1.45 -25.10	55.49 1.96 -17.27	53.68 2.11 -15.09	72.12 2.01 -38.16	66.75 2.05 -32.23	65.86 1.98 -28.43	68.52 1.82 -31.04	72.90 1.65 -36.22	81.68 2.07 -41.18	95.49 2.64 -47.33	103.82 3.56 -42.78	102.92 2.84 -55.79	102.35 2.91 -51.74	87.87 2.65 -38.65	84.11 2.35 -41.88	78.39 2.51 -35.47	72.26 2.90 -17.60
ASTORIA___3 23516	51.32 1.87 -14.09	50.00 1.67 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	65.90 2.02 -28.44	68.56 1.85 -31.05	72.94 1.68 -36.22	81.73 2.11 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.22 2.34 -35.47	71.89 2.54 -17.59
ASTORIA___4 23517	51.32 1.87 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.84 2.75 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	72.05 2.69 -17.59
ASTORIA___5 23518	51.32 1.87 -14.09	50.00 1.67 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	65.90 2.02 -28.44	68.56 1.85 -31.05	72.94 1.68 -36.22	81.73 2.11 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.22 2.34 -35.47	71.89 2.54 -17.59
AST_ENERGY_2_CC3 323677	51.35 1.91 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.16 1.84 -19.49	60.03 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.11 1.86 -36.22	81.88 2.27 -41.19	95.59 2.73 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.14 2.26 -35.47	71.84 2.48 -17.59
AST_ENERGY_2_CC4 323678	51.35 1.91 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.16 1.84 -19.49	60.03 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.11 1.86 -36.22	81.88 2.27 -41.19	95.59 2.73 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.14 2.26 -35.47	71.84 2.48 -17.59

ATHENS_STG_1 23668	51.63 1.13 -15.14	50.50 1.07 -15.92	49.33 1.17 -11.58	47.09 1.22 -8.69	48.49 1.14 -11.81	49.38 0.94 -19.21	54.88 1.08 -20.96	61.20 1.13 -27.00	56.18 1.34 -18.58	54.09 1.39 -16.24	74.18 1.18 -41.04	68.34 1.20 -34.67	67.30 1.27 -30.58	70.33 1.28 -33.39	75.22 1.23 -38.95	84.15 1.42 -44.29	98.11 1.69 -50.91	105.23 2.13 -45.63	105.94 1.64 -60.00	105.12 1.77 -55.65	89.86 1.72 -41.57	86.39 1.48 -45.04	80.01 1.45 -38.14	72.37 1.71 -18.90
ATHENS_STG_2 23670	51.63 1.13 -15.14	50.50 1.07 -15.92	49.33 1.17 -11.58	47.09 1.22 -8.69	48.49 1.14 -11.81	49.38 0.94 -19.21	54.88 1.08 -20.96	61.20 1.13 -27.00	56.18 1.34 -18.58	54.09 1.39 -16.24	74.18 1.18 -41.04	68.34 1.20 -34.67	67.30 1.27 -30.58	70.33 1.28 -33.39	75.22 1.23 -38.95	84.15 1.42 -44.29	98.11 1.69 -50.91	105.23 2.13 -45.63	105.94 1.64 -60.00	105.12 1.77 -55.65	89.86 1.72 -41.57	86.39 1.48 -45.04	80.01 1.45 -38.14	72.37 1.71 -18.90
ATHENS_STG_3 23677	51.63 1.13 -15.14	50.50 1.07 -15.92	49.33 1.17 -11.58	47.09 1.22 -8.69	48.49 1.14 -11.81	49.38 0.94 -19.21	54.88 1.08 -20.96	61.20 1.13 -27.00	56.18 1.34 -18.58	54.09 1.39 -16.24	74.18 1.18 -41.04	68.34 1.20 -34.67	67.30 1.27 -30.58	70.33 1.28 -33.39	75.22 1.23 -38.95	84.15 1.42 -44.29	98.11 1.69 -50.91	105.23 2.13 -45.63	105.94 1.64 -60.00	105.12 1.77 -55.65	89.86 1.72 -41.57	86.39 1.48 -45.04	80.01 1.45 -38.14	72.37 1.71 -18.90
AUBURN___LFGE 323710	36.92 -0.11 -1.67	35.16 -0.10 -1.75	37.67 -0.18 -1.28	37.98 -0.15 -0.96	36.70 -0.14 -1.30	31.29 -0.06 -2.12	35.11 -0.03 -2.31	36.02 -0.03 -2.97	38.20 -0.11 -2.05	38.04 -0.22 -1.79	36.28 -0.19 -4.52	36.09 -0.19 -3.82	38.60 -0.21 -3.37	39.16 -0.18 -3.68	39.19 -0.14 -4.29	43.27 -0.04 -4.88	51.08 -0.05 -5.61	62.56 0.06 -5.02	50.95 0.04 -6.61	53.78 -0.05 -6.13	51.01 -0.14 -4.58	44.60 -0.24 -4.96	44.29 -0.32 -4.20	53.38 -0.47 -2.08
BABYLON_RES_REC 323704	53.76 2.47 -15.93	50.65 2.31 -14.83	49.59 2.23 -10.78	47.75 2.49 -8.09	48.91 2.38 -10.99	49.20 2.08 -17.89	54.86 2.43 -19.60	60.68 2.48 -25.12	56.41 2.86 -17.29	54.45 2.88 -15.10	72.04 1.92 -38.17	66.86 2.14 -32.24	65.94 2.06 -28.44	68.89 2.18 -31.05	73.30 2.03 -36.23	82.52 2.88 -41.21	120.90 3.60 -71.78	144.38 4.60 -82.30	129.88 3.63 -81.95	117.79 3.82 -66.27	112.68 3.68 -62.43	102.09 2.99 -59.21	78.77 2.87 -35.49	72.67 3.32 -17.59
BABYLON__69_KV_BK2 356345	54.11 2.86 -15.89	51.02 2.68 -14.83	49.88 2.52 -10.78	48.01 2.75 -8.09	49.27 2.74 -10.99	49.49 2.37 -17.89	55.22 2.79 -19.59	61.01 2.81 -25.12	56.74 3.19 -17.29	54.78 3.21 -15.10	72.29 2.17 -38.17	67.12 2.40 -32.24	66.26 2.37 -28.44	69.21 2.50 -31.05	73.65 2.38 -36.23	82.98 3.34 -41.21	120.84 4.05 -71.27	144.27 5.35 -81.45	129.77 4.08 -81.40	117.96 4.29 -65.97	112.65 4.14 -61.93	102.12 3.39 -58.85	79.13 3.23 -35.49	73.14 3.78 -17.59
BALL_HILL_WT_PWR 323825	34.83 -2.62 -2.09	33.09 -2.61 -2.20	35.36 -2.82 -1.60	35.58 -2.79 -1.20	34.75 -2.42 -1.63	29.92 -1.96 -2.65	32.69 -2.50 -2.35	33.33 -2.78 -3.02	35.22 -3.12 -2.08	35.01 -3.28 -1.82	33.76 -2.78 -4.59	33.46 -2.89 -3.88	35.75 -3.12 -3.42	36.30 -3.10 -3.74	36.49 -2.91 -4.36	40.24 -3.15 -4.96	47.30 -3.92 -5.70	57.87 -4.71 -5.11	47.56 -3.46 -6.71	49.92 -4.01 -6.23	47.36 -3.86 -4.65	41.69 -3.23 -5.04	41.77 -2.91 -4.27	51.11 -3.26 -2.61
BARON_WINDS___WT_PWR 323822	36.45 -1.80 -2.89	34.81 -1.74 -3.04	36.92 -1.86 -2.21	36.97 -1.86 -1.66	36.17 -1.63 -2.26	31.62 -1.29 -3.67	35.02 -1.54 -3.73	36.33 -1.55 -4.80	37.75 -1.81 -3.31	37.28 -2.08 -2.89	37.39 -1.85 -7.30	36.72 -1.92 -6.17	38.79 -2.09 -5.44	39.53 -2.07 -5.94	40.04 -1.93 -6.93	44.46 -1.84 -7.88	52.48 -2.09 -9.05	63.06 -2.53 -8.11	53.06 -1.90 -10.67	55.40 -2.19 -9.89	51.82 -2.14 -7.39	46.02 -1.87 -8.01	45.42 -1.78 -6.78	53.21 -2.17 -3.61
BARRETT_IC_1 23704	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_10 23701	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	111.02 3.27 -50.27	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_11 23702	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	111.02 3.27 -50.27	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_12 23703	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	111.02 3.27 -50.27	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_2 23705	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_3 23706	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_4 23707	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59

BARRETT_IC_5 23708	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_6 23709	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_7 23710	53.17 2.02 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.38 2.12 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.70 1.81 -28.44	68.57 1.85 -31.05	72.91 1.65 -36.23	81.98 2.34 -41.20	118.03 2.55 -69.96	135.42 3.22 -74.73	126.78 2.48 -80.00	115.61 2.72 -65.19	109.84 2.61 -60.66	100.00 2.19 -57.92	78.08 2.18 -35.48	71.89 2.54 -17.59
BARRETT_IC_8 23711	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT_IC_9 23700	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	111.02 3.27 -50.27	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT___1 23545	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	135.48 3.27 -74.73	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BARRETT___2 23546	53.16 2.01 -15.79	50.31 1.98 -14.82	49.29 1.94 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.96 1.84 -17.89	54.49 2.07 -19.59	60.25 2.05 -25.12	56.05 2.50 -17.29	54.16 2.59 -15.10	71.72 1.60 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.50 1.78 -31.05	72.88 1.61 -36.23	81.90 2.27 -41.20	118.17 2.69 -69.96	111.02 3.27 -50.27	126.91 2.61 -80.00	115.76 2.86 -65.19	109.93 2.70 -60.66	100.08 2.27 -57.92	78.16 2.26 -35.48	72.00 2.64 -17.59
BATAVIA__115KV_TB1 55881	35.47 -1.70 -1.81	33.64 -1.78 -1.90	36.02 -1.94 -1.38	36.31 -1.90 -1.04	35.32 -1.63 -1.41	30.18 -1.34 -2.30	33.20 -1.81 -2.18	33.70 -2.18 -2.80	35.69 -2.50 -1.93	35.53 -2.63 -1.69	33.97 -2.24 -4.26	33.76 -2.31 -3.60	36.10 -2.52 -3.17	36.59 -2.53 -3.46	36.66 -2.42 -4.04	40.49 -2.54 -4.59	47.89 -2.91 -5.28	58.19 -4.02 -4.73	47.86 -2.66 -6.22	50.37 -3.10 -5.77	47.72 -3.17 -4.31	42.08 -2.47 -4.67	42.07 -2.30 -3.96	51.69 -2.33 -2.26
BAYONEEC___CTG1 323682	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG10 323750	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG2 323683	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG3 323684	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG4 323685	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG5 323686	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG6 323687	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59

BAYONEEC___CTG7 323688	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG8 323689	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BAYONEEC___CTG9 323749	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.79 2.08 -32.24	66.04 2.16 -28.44	68.70 2.00 -31.05	73.08 1.82 -36.22	75.57 2.23 -34.91	78.80 2.69 -30.59	86.74 3.56 -25.70	84.59 2.84 -37.45	84.03 2.91 -33.41	74.17 2.70 -24.90	74.17 2.27 -32.01	78.06 2.18 -35.47	71.74 2.38 -17.59
BEACON___LESR 323632	53.06 0.99 -16.71	51.99 0.91 -17.57	50.31 0.95 -12.79	47.70 0.93 -9.60	49.54 0.96 -13.04	51.26 0.82 -21.21	56.86 0.89 -23.14	63.74 0.86 -29.80	57.82 1.05 -20.51	55.45 1.06 -17.92	78.50 1.24 -45.31	72.01 1.27 -38.27	70.63 1.42 -33.76	73.95 1.43 -36.86	79.48 1.44 -43.00	88.56 1.23 -48.90	103.13 1.41 -56.20	109.69 1.84 -50.37	111.91 1.37 -66.24	110.62 1.48 -61.43	93.91 1.45 -45.89	90.84 1.24 -49.72	84.09 1.57 -42.11	74.76 2.12 -20.87
BEAVER RIVER___HYD 24048	34.75 -1.13 -0.53	32.96 -1.11 -0.55	35.80 -1.17 -0.40	36.21 -1.26 -0.30	34.68 -1.28 -0.41	28.70 -1.20 -0.67	32.41 -1.15 -0.73	33.26 -0.76 -0.94	36.18 -0.72 -0.65	36.38 -0.66 -0.56	32.67 -0.70 -1.42	32.96 -0.71 -1.20	35.83 -0.67 -1.06	36.18 -0.64 -1.16	35.76 -0.63 -1.35	39.31 -0.65 -1.54	47.06 -0.23 -1.77	59.00 -0.06 -1.58	46.21 -0.18 -2.08	50.02 0.38 -1.93	48.53 0.51 -1.44	41.73 0.28 -1.56	41.78 0.04 -1.32	52.47 0.05 -0.66
BEEBEE_GT_13 23619	35.75 -1.17 -1.56	33.95 -1.21 -1.64	36.42 -1.35 -1.20	36.73 -1.34 -0.90	35.59 -1.17 -1.22	30.25 -0.96 -1.98	33.80 -1.25 -2.21	34.31 -1.62 -2.85	36.33 -1.89 -1.96	36.22 -1.97 -1.71	34.65 -1.63 -4.33	34.44 -1.69 -3.66	36.87 -1.81 -3.23	37.37 -1.82 -3.52	37.36 -1.79 -4.11	41.22 -1.88 -4.68	48.62 -2.28 -5.37	59.19 -3.10 -4.82	48.55 -2.08 -6.33	51.15 -2.43 -5.87	48.49 -2.47 -4.39	42.72 -1.91 -4.75	42.66 -1.78 -4.03	51.96 -1.76 -1.95
BENSHRST_27_KV_BENSHRST_1 355998	51.53 2.09 -14.09	50.13 1.81 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.69 1.58 -17.88	54.17 1.84 -19.49	60.00 1.82 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.26 2.14 -38.17	66.89 2.18 -32.24	66.51 2.62 -28.44	69.17 2.46 -31.05	73.47 2.21 -36.22	82.23 2.61 -41.19	95.59 2.73 -47.34	103.76 3.85 -42.43	103.11 3.01 -55.79	102.46 3.01 -51.75	87.97 2.75 -38.66	84.19 2.43 -41.88	78.22 2.34 -35.47	72.20 2.85 -17.59
BETHLEHEM___GRP 23843	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.30 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.09 0.80 -45.35	71.62 0.84 -38.31	70.16 0.92 -33.79	73.48 0.93 -36.89	78.99 0.91 -43.04	87.87 0.50 -48.94	102.36 0.59 -56.24	108.64 0.75 -50.41	111.12 0.53 -66.29	109.76 0.57 -61.48	93.10 0.61 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
BETHLEHEM___GS1 323560	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.29 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.10 0.80 -45.35	71.62 0.84 -38.31	70.15 0.92 -33.79	73.51 0.96 -36.89	79.02 0.95 -43.04	87.91 0.54 -48.94	102.31 0.55 -56.24	108.58 0.69 -50.41	111.12 0.53 -66.29	109.71 0.53 -61.48	93.06 0.56 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
BETHLEHEM___GS2 323561	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.29 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.10 0.80 -45.35	71.62 0.84 -38.31	70.15 0.92 -33.79	73.51 0.96 -36.89	79.02 0.95 -43.04	87.91 0.54 -48.94	102.31 0.55 -56.24	108.58 0.69 -50.41	111.12 0.53 -66.29	109.71 0.53 -61.48	93.06 0.56 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
BETHLEHEM___GS3 323562	52.44 0.35 -16.73	51.44 0.34 -17.59	49.70 0.33 -12.80	47.11 0.33 -9.61	48.94 0.36 -13.05	50.75 0.29 -21.23	56.29 0.29 -23.16	63.17 0.26 -29.83	57.15 0.36 -20.53	54.85 0.44 -17.94	78.10 0.80 -45.35	71.62 0.84 -38.31	70.15 0.92 -33.79	73.51 0.96 -36.89	79.02 0.95 -43.04	87.91 0.54 -48.94	102.31 0.55 -56.24	108.58 0.69 -50.41	111.12 0.53 -66.29	109.71 0.53 -61.48	93.06 0.56 -45.93	90.16 0.52 -49.76	83.48 0.93 -42.14	74.05 1.40 -20.89
BETHLEHEM___STEEL 23779	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.35 -2.82 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.62 -2.56 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.93 -3.36 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.64 -3.23 -3.42	36.19 -3.21 -3.73	36.34 -3.05 -4.36	40.15 -3.23 -4.95	47.34 -3.87 -5.69	57.52 -5.06 -5.10	47.46 -3.54 -6.71	49.82 -4.10 -6.22	47.21 -4.01 -4.65	41.65 -3.27 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60
BETHLHEM_115KV_TB1 79974	52.53 0.46 -16.72	51.49 0.40 -17.58	49.80 0.44 -12.79	47.21 0.45 -9.60	49.01 0.43 -13.04	50.80 0.35 -21.22	56.34 0.36 -23.15	63.25 0.36 -29.81	57.25 0.47 -20.52	54.91 0.51 -17.93	78.10 0.83 -45.32	71.59 0.84 -38.28	70.13 0.92 -33.77	73.49 0.96 -36.87	78.99 0.95 -43.01	87.95 0.61 -48.91	102.46 0.73 -56.21	108.72 0.86 -50.38	111.21 0.66 -66.25	109.86 0.72 -61.44	93.17 0.70 -45.90	90.25 0.64 -49.72	83.50 0.97 -42.11	74.03 1.40 -20.87
BETHPAGE_CC_5 323564	53.66 2.26 -16.04	50.49 2.15 -14.83	49.44 2.08 -10.78	47.60 2.34 -8.09	48.74 2.20 -10.99	49.08 1.96 -17.89	54.67 2.23 -19.60	60.48 2.28 -25.12	56.23 2.68 -17.29	54.31 2.74 -15.10	71.94 1.82 -38.17	66.73 2.01 -32.24	65.84 1.95 -28.44	68.71 2.00 -31.05	73.09 1.82 -36.23	82.21 2.58 -41.21	121.91 3.14 -73.25	146.27 4.02 -84.77	131.01 3.19 -83.52	118.18 3.34 -67.14	113.64 3.21 -63.86	102.77 2.63 -60.25	78.49 2.59 -35.49	72.25 2.90 -17.59
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	34.81 -2.65 -2.11	33.08 -2.65 -2.22	35.30 -2.89 -1.61	35.52 -2.86 -1.21	34.66 -2.52 -1.64	29.89 -2.02 -2.67	32.66 -2.56 -2.39	33.41 -2.75 -3.07	35.26 -3.12 -2.12	35.04 -3.28 -1.85	33.84 -2.78 -4.67	33.53 -2.89 -3.95	35.77 -3.15 -3.48	36.32 -3.14 -3.80	36.49 -2.98 -4.43	40.36 -3.11 -5.04	47.62 -3.69 -5.79	57.90 -4.77 -5.19	47.71 -3.41 -6.82	50.17 -3.86 -6.33	47.48 -3.82 -4.73	41.86 -3.15 -5.12	41.72 -3.03 -4.34	50.82 -3.57 -2.63

BINGHAMTON___COGEN 23790	39.58 -0.11 -4.33	38.00 -0.07 -4.55	39.78 -0.11 -3.31	39.58 -0.07 -2.49	38.85 -0.07 -3.38	34.70 -0.03 -5.50	38.70 -0.03 -5.90	40.71 0.03 -7.60	41.49 0.00 -5.23	40.93 -0.11 -4.57	43.41 -0.10 -11.56	42.13 -0.10 -9.76	43.95 -0.11 -8.61	44.96 -0.11 -9.40	45.93 -0.07 -10.97	50.94 0.04 -12.47	59.95 0.09 -14.33	70.49 0.17 -12.85	61.32 0.13 -16.89	63.52 0.14 -15.67	58.37 0.09 -11.70	52.52 -0.04 -12.68	51.03 -0.12 -10.74	56.96 -0.21 -5.41
BIXINCNT_115KV_LOAD 355685	34.33 -3.25 -2.22	32.67 -3.18 -2.34	34.87 -3.40 -1.70	35.03 -3.42 -1.28	34.26 -3.02 -1.73	29.66 -2.40 -2.82	32.62 -2.79 -2.58	33.69 -2.71 -3.32	35.50 -3.05 -2.29	35.23 -3.25 -2.00	34.12 -2.88 -5.05	33.72 -3.02 -4.27	35.81 -3.40 -3.76	36.42 -3.35 -4.11	36.68 -3.15 -4.79	40.61 -3.27 -5.45	48.19 -3.60 -6.26	58.72 -4.37 -5.61	48.58 -3.10 -7.38	51.02 -3.53 -6.85	48.38 -3.31 -5.12	42.75 -2.67 -5.54	42.28 -2.83 -4.69	51.13 -3.42 -2.78
BLACK RIVER___HYD 24047	35.18 -0.88 -0.70	33.35 -0.90 -0.74	36.12 -0.99 -0.54	36.53 -1.04 -0.40	35.02 -1.07 -0.55	29.13 -0.99 -0.89	32.88 -0.92 -0.97	33.80 -0.53 -1.25	36.58 -0.54 -0.86	36.71 -0.51 -0.75	33.28 -0.57 -1.90	33.46 -0.62 -1.61	36.26 -0.60 -1.42	36.67 -0.53 -1.55	36.32 -0.52 -1.80	39.98 -0.50 -2.05	47.79 -0.09 -2.36	59.76 0.17 -2.11	47.08 0.00 -2.78	50.71 0.43 -2.58	48.96 0.47 -1.92	42.17 0.20 -2.09	42.10 -0.08 -1.77	52.33 -0.31 -0.88
BLACKRVR_115KV_TB2 79977	35.17 -0.88 -0.70	33.34 -0.90 -0.74	36.12 -0.99 -0.54	36.53 -1.04 -0.40	35.02 -1.07 -0.55	29.13 -0.99 -0.89	32.88 -0.92 -0.97	33.80 -0.53 -1.25	36.57 -0.54 -0.86	36.71 -0.51 -0.75	33.27 -0.58 -1.90	33.46 -0.62 -1.61	36.26 -0.60 -1.42	36.67 -0.53 -1.55	36.31 -0.53 -1.80	39.98 -0.50 -2.05	47.79 -0.09 -2.36	59.82 0.23 -2.11	47.12 0.04 -2.78	50.76 0.48 -2.58	49.01 0.51 -1.92	42.17 0.20 -2.09	42.10 -0.08 -1.77	52.33 -0.31 -0.88
BLISS_WT_PWR 323608	34.22 -3.36 -2.22	32.57 -3.28 -2.34	34.76 -3.51 -1.70	34.88 -3.57 -1.28	34.15 -3.13 -1.73	29.60 -2.46 -2.82	32.56 -2.86 -2.58	33.63 -2.78 -3.32	35.43 -3.12 -2.29	35.12 -3.35 -2.00	34.03 -2.97 -5.05	33.62 -3.12 -4.27	35.63 -3.58 -3.76	36.21 -3.57 -4.11	36.50 -3.33 -4.79	40.42 -3.46 -5.45	47.92 -3.87 -6.26	58.55 -4.54 -5.61	48.40 -3.28 -7.38	50.78 -3.77 -6.85	48.24 -3.45 -5.12	42.63 -2.79 -5.54	42.28 -2.83 -4.69	51.18 -3.36 -2.78
BLUESTONE___WT_PWR 323821	42.02 2.01 -4.65	40.31 1.91 -4.89	42.11 1.97 -3.56	41.96 2.12 -2.67	41.09 1.92 -3.63	36.65 1.52 -5.90	41.08 1.87 -6.37	43.60 2.31 -8.21	44.48 2.57 -5.65	43.78 2.37 -4.94	46.34 1.92 -12.48	44.96 1.95 -10.54	46.87 2.13 -9.30	47.95 2.14 -10.15	49.09 2.21 -11.84	54.55 2.65 -13.47	64.45 3.46 -15.48	75.89 4.54 -13.87	65.90 3.37 -18.24	68.34 3.72 -16.92	62.75 3.54 -12.64	56.41 2.83 -13.69	54.56 2.55 -11.60	60.42 2.85 -5.81
BLUE_CIRC_CHEM_DRP 24182	52.68 0.85 -16.48	51.68 0.84 -17.33	50.10 0.91 -12.61	47.52 0.89 -9.46	49.28 0.89 -12.85	50.88 0.73 -20.91	56.40 0.76 -22.82	63.19 0.73 -29.38	57.28 0.80 -20.23	54.91 0.77 -17.67	77.48 0.86 -44.67	71.08 0.88 -37.74	69.69 0.96 -33.29	73.00 1.00 -36.34	78.45 1.02 -42.40	87.60 0.96 -48.21	102.11 1.18 -55.41	108.63 1.49 -49.66	110.71 1.11 -65.31	109.51 1.24 -60.57	93.03 1.21 -45.25	89.94 1.04 -49.02	83.18 1.25 -41.52	74.05 1.71 -20.57
BOC_GAS_DRP 24189	52.68 0.67 -16.65	51.66 0.64 -17.51	50.05 0.73 -12.74	47.48 0.74 -9.57	49.24 0.71 -12.99	50.92 0.56 -21.14	56.52 0.62 -23.06	63.41 0.63 -29.70	57.46 0.76 -20.44	55.13 0.80 -17.86	77.93 0.83 -45.15	71.45 0.84 -38.14	70.01 0.92 -33.64	73.32 0.93 -36.73	78.80 0.91 -42.85	88.00 0.85 -48.73	102.52 1.00 -56.00	108.88 1.21 -50.19	111.23 0.93 -66.00	109.97 1.05 -61.22	93.33 1.02 -45.73	90.30 0.88 -49.54	83.38 1.01 -41.96	73.85 1.29 -20.79
BOONVILLE_115KV_TB1 79983	35.93 0.14 -0.44	34.07 0.10 -0.46	37.02 0.11 -0.33	37.53 0.11 -0.25	35.92 0.04 -0.34	29.75 -0.03 -0.55	33.53 0.10 -0.60	34.22 0.36 -0.78	37.26 0.47 -0.53	37.41 0.47 -0.47	33.48 0.35 -1.18	33.79 0.32 -1.00	36.75 0.43 -0.88	37.05 0.43 -0.96	36.61 0.46 -1.12	40.24 0.54 -1.27	47.85 0.86 -1.47	60.05 1.26 -1.31	46.91 0.89 -1.73	50.64 1.34 -1.60	49.07 1.30 -1.20	42.18 1.00 -1.30	42.32 0.81 -1.10	53.24 0.93 -0.54
BORALEX_4TH_BRANCH 23824	53.91 1.87 -16.68	52.76 1.71 -17.54	51.20 1.87 -12.76	48.64 1.90 -9.58	50.43 1.88 -13.01	51.94 1.55 -21.16	57.60 1.67 -23.09	64.64 1.82 -29.74	58.76 2.03 -20.47	56.40 2.04 -17.88	78.79 1.63 -45.21	72.38 1.72 -38.19	70.97 1.84 -33.68	74.36 1.93 -36.78	79.91 1.96 -42.91	89.41 2.19 -48.79	104.37 2.78 -56.07	111.35 3.62 -50.26	113.18 2.79 -66.09	111.91 2.91 -61.30	95.25 2.89 -45.79	91.92 2.43 -49.60	84.89 2.47 -42.01	75.64 3.05 -20.82
BOWLINE___1 23526	50.70 1.59 -13.75	49.41 1.44 -14.45	48.56 1.46 -10.52	46.59 1.52 -7.89	47.76 1.49 -10.72	47.96 1.28 -17.45	53.40 1.54 -19.02	59.16 1.59 -24.50	55.08 1.96 -16.86	53.21 2.00 -14.73	70.85 1.66 -37.24	65.49 1.56 -31.46	64.79 1.60 -27.75	67.49 1.53 -30.30	71.85 1.47 -35.35	80.43 1.81 -40.19	93.94 2.23 -46.19	101.81 2.93 -41.40	101.09 2.35 -54.44	100.58 2.38 -50.49	86.57 2.28 -37.72	82.62 1.87 -40.86	76.76 1.74 -34.61	70.84 1.92 -17.16
BOWLINE___2 23595	50.70 1.59 -13.75	49.41 1.44 -14.46	48.56 1.46 -10.52	46.59 1.52 -7.90	47.76 1.49 -10.72	47.96 1.28 -17.45	53.40 1.54 -19.02	59.17 1.59 -24.50	55.08 1.96 -16.86	53.21 2.00 -14.73	70.85 1.66 -37.24	65.55 1.62 -31.46	64.86 1.67 -27.75	67.57 1.61 -30.30	71.89 1.51 -35.35	80.51 1.88 -40.19	94.04 2.32 -46.19	101.92 3.04 -41.40	101.14 2.39 -54.45	100.68 2.48 -50.50	86.62 2.33 -37.72	82.70 1.95 -40.87	76.84 1.82 -34.61	70.95 2.02 -17.16
BRADY___115KV_TB2 356060	33.90 -1.70 -0.24	32.12 -1.64 -0.25	35.33 -1.43 -0.19	35.41 -1.90 -0.14	33.85 -1.88 -0.19	27.55 -1.99 -0.31	31.33 -1.84 -0.33	32.32 -1.19 -0.43	35.47 -1.09 -0.30	36.04 -0.69 -0.26	31.84 -0.77 -0.66	32.28 -0.75 -0.55	35.33 -0.60 -0.49	35.70 -0.50 -0.53	35.03 -0.63 -0.62	38.37 -0.77 -0.71	46.43 0.09 -0.81	58.72 0.52 -0.73	45.35 0.09 -0.96	48.88 0.29 -0.89	48.17 0.93 -0.66	41.04 0.44 -0.72	41.55 0.53 -0.61	53.52 1.45 -0.30
BRANSCOMB___SOLAR 323811	54.40 1.91 -17.14	53.31 1.77 -18.02	51.59 1.90 -13.11	48.90 1.89 -9.84	50.79 1.88 -13.36	52.59 1.61 -21.75	58.33 1.77 -23.73	65.45 1.82 -30.56	59.36 2.07 -21.03	56.85 2.00 -18.38	79.78 1.37 -46.45	73.07 1.36 -39.24	71.62 1.56 -34.61	74.98 1.53 -37.79	80.67 1.54 -44.09	90.41 1.84 -50.13	105.41 2.28 -57.62	112.11 2.99 -51.64	114.47 2.26 -67.91	113.07 2.38 -62.98	95.95 2.33 -47.05	92.73 1.87 -50.97	85.48 1.90 -43.17	75.59 2.43 -21.39
BRENTWOD_69_KV_W. BRTWOOD 56703	53.80 2.65 -15.79	50.82 2.48 -14.83	49.69 2.34 -10.78	47.82 2.56 -8.09	49.06 2.52 -10.99	49.37 2.25 -17.89	55.08 2.66 -19.59	60.85 2.65 -25.12	56.56 3.01 -17.29	54.56 2.99 -15.10	72.10 1.98 -38.17	66.96 2.24 -32.24	66.09 2.20 -28.44	69.03 2.32 -31.05	73.47 2.21 -36.23	82.75 3.11 -41.21	119.22 3.82 -69.88	141.62 4.94 -79.20	128.02 3.81 -79.91	116.85 4.01 -65.14	111.02 3.87 -60.58	100.93 3.19 -57.86	78.89 2.99 -35.48	72.88 3.52 -17.59

BRISTLHL_115KV_TB1 79998	35.73 -0.67 -1.05	33.98 -0.64 -1.10	36.64 -0.73 -0.80	37.06 -0.71 -0.60	35.69 -0.68 -0.82	30.03 -0.53 -1.33	33.69 -0.59 -1.45	34.29 -0.66 -1.87	36.71 -0.83 -1.29	36.72 -0.88 -1.12	34.02 -0.77 -2.84	34.09 -0.78 -2.40	36.71 -0.85 -2.12	37.12 -0.86 -2.31	36.93 -0.81 -2.70	40.61 -0.88 -3.07	48.00 -1.05 -3.52	59.31 -1.32 -3.16	47.43 -1.02 -4.15	50.41 -1.14 -3.85	48.28 -1.16 -2.88	41.92 -1.08 -3.12	41.96 -1.09 -2.64	51.62 -1.45 -1.31
BROOKHAVEN___DRP 24191	53.70 2.58 -15.76	50.88 2.55 -14.83	49.55 2.19 -10.78	47.82 2.56 -8.09	49.09 2.56 -10.99	49.37 2.25 -17.89	55.11 2.69 -19.59	60.91 2.71 -25.12	56.41 2.86 -17.29	54.42 2.84 -15.10	71.85 1.73 -38.17	66.66 1.95 -32.24	65.77 1.88 -28.44	68.71 2.00 -31.05	73.19 1.93 -36.23	82.56 2.92 -41.21	118.67 3.64 -69.50	140.67 4.66 -78.54	127.35 3.54 -79.51	116.53 3.91 -64.92	110.56 3.77 -60.22	100.59 3.11 -57.59	78.72 2.83 -35.48	72.72 3.36 -17.59
BROOKLYN_NAVY_YARD 23515	51.32 1.87 -14.09	50.00 1.67 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.63 1.52 -17.88	54.16 1.84 -19.49	60.03 1.85 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.19 2.08 -38.16	66.79 2.08 -32.24	66.01 2.13 -28.44	68.70 2.00 -31.05	73.11 1.86 -36.22	81.88 2.27 -41.19	95.63 2.78 -47.34	104.13 3.68 -42.97	103.01 2.92 -55.79	102.46 3.01 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.06 2.18 -35.47	71.74 2.38 -17.59
BROOKLYN___ARMY_DRP 323595	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
BROOKVLE_69_KV_TB1 55790	54.55 2.37 -16.83	50.52 2.18 -14.83	49.55 2.19 -10.78	47.56 2.30 -8.09	48.77 2.24 -10.99	49.09 1.96 -17.90	54.74 2.27 -19.64	60.52 2.32 -25.12	56.31 2.76 -17.30	54.42 2.84 -15.10	72.23 2.11 -38.17	66.99 2.27 -32.24	66.23 2.34 -28.44	69.03 2.32 -31.05	73.44 2.17 -36.23	82.45 2.81 -41.21	132.45 3.23 -83.69	164.53 4.25 -102.80	142.31 3.32 -94.69	124.48 3.43 -73.34	123.85 3.26 -74.02	110.29 2.75 -67.65	78.57 2.67 -35.49	72.51 3.16 -17.59
BROOME_2_LFGE 323671	39.58 -0.11 -4.33	38.00 -0.07 -4.55	39.78 -0.11 -3.31	39.58 -0.07 -2.49	38.85 -0.07 -3.38	34.70 -0.03 -5.50	38.70 -0.03 -5.90	40.71 0.03 -7.60	41.49 0.00 -5.23	40.93 -0.11 -4.57	43.41 -0.10 -11.56	42.13 -0.10 -9.76	43.91 -0.14 -8.61	44.96 -0.11 -9.40	45.93 -0.07 -10.97	50.94 0.04 -12.47	59.95 0.09 -14.33	70.50 0.17 -12.85	61.33 0.13 -16.89	63.47 0.10 -15.67	58.32 0.05 -11.70	52.52 -0.04 -12.68	51.03 -0.12 -10.74	56.96 -0.21 -5.41
BROOME___LFGE 323600	39.58 -0.11 -4.33	38.00 -0.07 -4.55	39.78 -0.11 -3.31	39.58 -0.07 -2.49	38.85 -0.07 -3.38	34.70 -0.03 -5.50	38.70 -0.03 -5.90	40.71 0.03 -7.60	41.49 0.00 -5.23	40.93 -0.11 -4.57	43.41 -0.10 -11.56	42.13 -0.10 -9.76	43.91 -0.14 -8.61	44.96 -0.11 -9.40	45.93 -0.07 -10.97	50.94 0.04 -12.47	59.95 0.09 -14.33	70.50 0.17 -12.85	61.33 0.13 -16.89	63.47 0.10 -15.67	58.32 0.05 -11.70	52.52 -0.04 -12.68	51.03 -0.12 -10.74	56.96 -0.21 -5.41
BROWNFLS_115KV_TB_3_5 80003	34.14 -1.63 -0.41	32.37 -1.58 -0.43	35.35 -1.54 -0.32	35.62 -1.78 -0.24	34.09 -1.78 -0.32	28.03 -1.72 -0.52	31.76 -1.64 -0.57	32.66 -1.16 -0.74	35.64 -1.12 -0.51	36.00 -0.91 -0.44	32.14 -0.93 -1.12	32.47 -0.94 -0.95	35.39 -0.89 -0.83	35.75 -0.82 -0.91	35.26 -0.84 -1.06	38.68 -0.96 -1.21	46.50 -0.41 -1.39	58.55 -0.17 -1.24	45.58 -0.35 -1.64	49.27 0.05 -1.52	48.12 0.42 -1.13	41.19 0.08 -1.23	41.41 -0.04 -1.04	52.59 0.31 -0.52
BROWNSV1_27_KV_LOAD 356125	51.60 2.16 -14.09	50.27 1.94 -14.81	49.33 1.98 -10.78	47.30 2.04 -8.09	48.52 1.99 -10.99	48.86 1.75 -17.88	54.43 2.10 -19.49	60.30 2.12 -25.10	56.18 2.65 -17.28	54.30 2.74 -15.10	72.45 2.33 -38.16	67.08 2.37 -32.24	66.43 2.55 -28.44	69.17 2.46 -31.05	73.50 2.24 -36.22	82.27 2.65 -41.19	95.86 3.00 -47.34	103.98 4.08 -42.43	103.28 3.19 -55.79	102.69 3.24 -51.75	88.25 3.03 -38.65	84.35 2.59 -41.88	78.34 2.47 -35.47	72.30 2.95 -17.59
BURROWS___LYONSDAL 23803	35.63 -0.18 -0.45	33.79 -0.20 -0.48	36.74 -0.18 -0.35	37.20 -0.22 -0.26	35.61 -0.28 -0.35	29.51 -0.29 -0.58	33.26 -0.20 -0.63	33.99 0.10 -0.81	37.00 0.18 -0.56	37.14 0.18 -0.49	33.27 0.10 -1.23	33.61 0.10 -1.04	36.50 0.14 -0.92	36.84 0.18 -1.00	36.38 0.18 -1.17	39.99 0.23 -1.33	47.64 0.59 -1.52	59.82 0.98 -1.37	46.72 0.62 -1.80	50.52 1.14 -1.67	48.98 1.16 -1.24	42.07 0.84 -1.35	42.24 0.69 -1.14	53.11 0.78 -0.57
CAITHNESS_CC_1 323624	53.59 2.47 -15.76	50.75 2.41 -14.83	49.47 2.12 -10.78	47.82 2.56 -8.09	48.98 2.45 -10.99	49.28 2.16 -17.89	55.01 2.59 -19.59	60.85 2.65 -25.12	56.34 2.79 -17.29	54.34 2.77 -15.10	71.81 1.69 -38.17	66.63 1.92 -32.24	65.69 1.81 -28.44	68.64 1.92 -31.05	73.12 1.86 -36.23	82.44 2.80 -41.20	118.66 3.64 -69.49	140.54 4.54 -78.52	127.38 3.59 -79.50	116.53 3.91 -64.91	110.55 3.77 -60.21	100.54 3.07 -57.59	78.77 2.87 -35.48	72.62 3.26 -17.59
CALPINE BETH_PAGE_GT4 24209	53.86 2.33 -16.17	50.55 2.21 -14.83	49.51 2.16 -10.78	47.56 2.30 -8.09	48.81 2.27 -10.99	49.11 1.99 -17.89	54.74 2.30 -19.61	60.52 2.32 -25.12	56.31 2.76 -17.29	54.38 2.81 -15.10	72.04 1.92 -38.17	66.83 2.11 -32.24	65.98 2.09 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.29 2.65 -41.21	123.52 3.05 -74.95	149.13 4.02 -87.63	132.69 3.06 -85.33	119.10 3.24 -68.15	115.15 3.07 -65.51	103.93 2.59 -61.45	78.40 2.51 -35.49	72.26 2.90 -17.59
CALPINE_BETH_PAGE_GT_4 323586	53.86 2.33 -16.17	50.55 2.21 -14.83	49.51 2.16 -10.78	47.67 2.41 -8.09	48.81 2.28 -10.99	49.11 1.99 -17.89	54.74 2.30 -19.61	60.55 2.35 -25.12	56.31 2.75 -17.29	54.38 2.81 -15.10	72.04 1.92 -38.17	66.82 2.11 -32.24	65.94 2.06 -28.44	68.82 2.10 -31.05	73.12 1.86 -36.23	82.25 2.61 -41.21	123.65 3.19 -74.95	149.13 4.02 -87.63	132.82 3.19 -85.33	119.19 3.34 -68.15	115.29 3.21 -65.51	104.01 2.67 -61.45	78.49 2.59 -35.49	72.31 2.95 -17.59
CALPINE_BP_GT1 23823	53.86 2.33 -16.17	50.55 2.21 -14.83	49.51 2.16 -10.78	47.67 2.41 -8.09	48.81 2.28 -10.99	49.11 1.99 -17.89	54.74 2.30 -19.61	60.55 2.35 -25.12	56.31 2.75 -17.29	54.38 2.81 -15.10	72.04 1.92 -38.17	66.82 2.11 -32.24	65.94 2.06 -28.44	68.82 2.10 -31.05	73.12 1.86 -36.23	82.25 2.61 -41.21	123.65 3.19 -74.95	149.13 4.02 -87.63	132.82 3.19 -85.33	119.19 3.34 -68.15	115.29 3.21 -65.51	104.01 2.67 -61.45	78.49 2.59 -35.49	72.31 2.95 -17.59
CALSPAN___DRP 24200	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.35 -2.82 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.62 -2.56 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.93 -3.36 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.64 -3.23 -3.42	36.19 -3.21 -3.73	36.34 -3.05 -4.36	40.15 -3.23 -4.95	47.34 -3.87 -5.69	57.52 -5.06 -5.10	47.46 -3.54 -6.71	49.82 -4.10 -6.22	47.21 -4.01 -4.65	41.65 -3.27 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60

CALVERTON___SOLAR 323806	53.77 2.65 -15.76	50.98 2.65 -14.83	49.62 2.27 -10.78	48.05 2.79 -8.09	49.20 2.67 -10.99	49.49 2.37 -17.89	55.24 2.82 -19.59	61.07 2.88 -25.12	56.48 2.94 -17.29	54.45 2.88 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.73 1.84 -28.44	68.71 2.00 -31.05	73.19 1.93 -36.23	82.59 2.96 -41.21	118.90 3.87 -69.51	140.79 4.77 -78.55	127.57 3.76 -79.51	116.77 4.15 -64.92	110.84 4.05 -60.22	100.75 3.27 -57.60	78.93 3.03 -35.48	72.88 3.52 -17.59
CANDIGU_WT_PWR 323617	36.45 -1.80 -2.89	34.81 -1.74 -3.04	36.92 -1.86 -2.21	36.97 -1.86 -1.66	36.17 -1.63 -2.26	31.62 -1.29 -3.67	35.02 -1.54 -3.73	36.33 -1.55 -4.80	37.75 -1.81 -3.31	37.28 -2.08 -2.89	37.39 -1.85 -7.30	36.72 -1.92 -6.17	38.79 -2.09 -5.44	39.53 -2.07 -5.94	40.04 -1.93 -6.93	44.46 -1.84 -7.88	52.48 -2.09 -9.05	63.06 -2.53 -8.11	53.06 -1.90 -10.67	55.40 -2.19 -9.89	51.82 -2.14 -7.39	46.02 -1.87 -8.01	45.42 -1.78 -6.78	53.21 -2.17 -3.61
CARR STREET_E_SYR 24060	36.14 -0.42 -1.20	34.37 -0.40 -1.26	37.02 -0.48 -0.92	37.41 -0.44 -0.69	36.05 -0.42 -0.94	30.43 -0.32 -1.52	34.13 -0.36 -1.66	34.79 -0.43 -2.14	37.15 -0.58 -1.47	37.14 -0.62 -1.29	34.66 -0.54 -3.25	34.67 -0.55 -2.75	37.30 -0.57 -2.43	37.74 -0.57 -2.65	37.56 -0.56 -3.09	41.37 -0.58 -3.51	48.83 -0.73 -4.04	60.17 -0.92 -3.62	48.35 -0.71 -4.76	51.31 -0.81 -4.41	49.03 -0.84 -3.30	42.70 -0.76 -3.57	42.63 -0.81 -3.02	52.28 -0.99 -1.50
CARTHAGE___PAPER 23857	34.86 -1.13 -0.63	33.07 -1.11 -0.67	35.85 -1.21 -0.48	36.27 -1.26 -0.36	34.76 -1.28 -0.49	28.83 -1.20 -0.80	32.59 -1.12 -0.88	33.48 -0.73 -1.13	36.31 -0.72 -0.78	36.49 -0.66 -0.68	32.96 -0.70 -1.72	33.21 -0.71 -1.45	36.02 -0.71 -1.28	36.42 -0.64 -1.40	36.04 -0.63 -1.63	39.63 -0.65 -1.85	47.42 -0.23 -2.13	59.38 0.00 -1.91	46.68 -0.13 -2.51	50.41 0.38 -2.33	48.78 0.47 -1.74	41.97 0.20 -1.88	41.93 -0.08 -1.60	52.40 -0.15 -0.79
CASSADAGA_WT_PWR 323784	34.32 -3.22 -2.17	32.68 -3.12 -2.29	34.98 -3.26 -1.66	35.26 -3.16 -1.25	34.57 -2.67 -1.70	29.89 -2.10 -2.76	32.70 -2.63 -2.50	33.62 -2.68 -3.22	35.50 -2.97 -2.22	35.27 -3.14 -1.94	34.22 -2.62 -4.89	33.87 -2.73 -4.13	36.15 -2.94 -3.64	36.68 -2.96 -3.98	37.01 -2.66 -4.64	40.94 -2.77 -5.27	48.21 -3.37 -6.06	59.46 -3.45 -5.43	48.78 -2.66 -7.14	51.13 -3.20 -6.62	48.59 -2.93 -4.95	42.77 -2.47 -5.36	42.73 -2.22 -4.54	51.89 -2.59 -2.72
CE_DUNWOOD___DRP 24194	51.22 1.80 -14.06	49.91 1.61 -14.79	48.98 1.65 -10.76	46.95 1.71 -8.08	48.18 1.67 -10.97	48.54 1.46 -17.85	54.03 1.74 -19.46	59.93 1.79 -25.06	55.68 2.18 -17.25	53.80 2.26 -15.07	71.96 1.92 -38.10	66.57 1.92 -32.18	65.89 2.06 -28.39	68.65 2.00 -30.99	73.05 1.86 -36.16	81.77 2.23 -41.12	95.32 2.55 -47.25	103.22 3.39 -42.35	102.65 2.66 -55.69	102.08 2.72 -51.66	87.72 2.56 -38.59	83.88 2.19 -41.80	77.84 2.02 -35.41	71.76 2.43 -17.56
CE_MILLWOOD___DRP 24193	51.11 1.73 -14.02	49.83 1.58 -14.74	48.91 1.61 -10.73	46.89 1.67 -8.05	48.11 1.63 -10.93	48.43 1.40 -17.79	53.91 1.67 -19.40	59.78 1.72 -24.98	55.56 2.10 -17.20	53.68 2.19 -15.02	71.78 1.85 -37.98	66.37 1.82 -32.08	65.73 1.98 -28.30	68.48 1.93 -30.90	72.91 1.82 -36.05	81.57 2.15 -40.99	95.09 2.46 -47.11	102.97 3.28 -42.22	102.39 2.57 -55.52	101.82 2.62 -51.49	87.51 2.47 -38.47	83.67 2.11 -41.67	77.65 1.94 -35.30	71.60 2.33 -17.50
CE_NYC2_DRP 24202	51.35 1.91 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.90 2.33 -15.10	72.16 2.04 -38.17	66.79 2.08 -32.24	66.22 2.34 -28.44	68.92 2.21 -31.05	73.22 1.96 -36.22	81.96 2.34 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.83 2.61 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	72.05 2.69 -17.59
CE_NYC_DRP 24195	51.42 1.98 -14.09	50.07 1.74 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.08 2.52 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.95 2.25 -31.05	73.29 2.03 -36.22	82.00 2.38 -41.19	95.54 2.69 -47.34	103.58 3.68 -42.43	102.92 2.84 -55.79	102.36 2.91 -51.75	87.93 2.70 -38.65	84.07 2.31 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
CHAFFEE___LFGE 323603	34.89 -2.62 -2.15	33.16 -2.61 -2.26	35.41 -2.82 -1.65	35.58 -2.83 -1.24	34.73 -2.49 -1.68	29.98 -1.99 -2.73	32.74 -2.56 -2.46	33.51 -2.75 -3.17	35.32 -3.12 -2.19	35.10 -3.28 -1.91	33.99 -2.78 -4.82	33.65 -2.89 -4.07	35.92 -3.12 -3.59	36.48 -3.10 -3.92	36.67 -2.94 -4.57	40.48 -3.15 -5.20	47.58 -3.92 -5.98	58.06 -4.77 -5.36	47.84 -3.50 -7.04	50.18 -4.05 -6.53	47.54 -3.91 -4.88	41.86 -3.31 -5.29	41.82 -3.07 -4.48	50.93 -3.52 -2.69
CHATEAUG_35_KV_LOAD 355732	33.02 -2.33 0.00	31.27 -2.25 0.00	34.56 -2.01 0.00	34.64 -2.53 0.00	33.09 -2.45 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.26 -1.82 0.00	34.52 -1.74 0.00	35.16 -1.31 0.00	30.64 -1.31 0.00	31.20 -1.27 0.00	34.35 -1.10 0.00	34.63 -1.03 0.00	33.95 -1.09 0.00	37.16 -1.27 0.00	45.07 -0.46 0.00	57.25 -0.23 0.00	43.77 -0.53 0.00	47.32 -0.38 0.00	46.85 0.28 0.00	39.84 -0.04 0.00	40.53 0.12 0.00	52.90 1.14 0.00
CHATEAUG_WT_PWR 323614	33.02 -2.33 0.00	31.27 -2.24 0.00	34.53 -2.05 0.00	34.64 -2.53 0.00	33.09 -2.45 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.26 -1.82 0.00	34.48 -1.78 0.00	35.16 -1.31 0.00	30.61 -1.34 0.00	31.17 -1.30 0.00	34.31 -1.14 0.00	34.63 -1.04 0.00	33.91 -1.12 0.00	37.16 -1.27 0.00	45.11 -0.41 0.00	57.08 -0.40 0.00	43.64 -0.66 0.00	47.13 -0.57 0.00	46.62 0.05 0.00	39.84 -0.04 0.00	40.49 0.08 0.00	52.85 1.09 0.00
CHAT_HIGH_FALL_HYD 323578	33.02 -2.33 0.00	31.27 -2.25 0.00	34.56 -2.01 0.00	34.64 -2.53 0.00	33.09 -2.45 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.26 -1.82 0.00	34.52 -1.74 0.00	35.16 -1.31 0.00	30.64 -1.31 0.00	31.20 -1.27 0.00	34.35 -1.10 0.00	34.63 -1.03 0.00	33.95 -1.09 0.00	37.16 -1.27 0.00	45.07 -0.46 0.00	57.25 -0.23 0.00	43.77 -0.53 0.00	47.32 -0.38 0.00	46.85 0.28 0.00	39.84 -0.04 0.00	40.53 0.12 0.00	52.90 1.14 0.00
CHAUTAUQUA___LFGE 323629	34.83 -2.65 -2.12	33.13 -2.61 -2.23	35.42 -2.78 -1.62	35.67 -2.71 -1.22	34.85 -2.35 -1.65	30.08 -1.84 -2.69	32.85 -2.40 -2.41	33.53 -2.65 -3.10	35.42 -2.97 -2.14	35.20 -3.14 -1.87	34.04 -2.62 -4.71	33.72 -2.73 -3.98	36.01 -2.94 -3.51	36.57 -2.92 -3.83	36.81 -2.70 -4.47	40.63 -2.88 -5.08	47.76 -3.60 -5.84	58.52 -4.19 -5.23	48.12 -3.06 -6.88	50.51 -3.58 -6.38	47.94 -3.40 -4.77	42.18 -2.87 -5.17	42.28 -2.51 -4.38	51.62 -2.80 -2.65
CHERRYST_13_KV_LD 356241	51.49 2.05 -14.09	50.17 1.84 -14.81	49.22 1.87 -10.78	47.19 1.93 -8.09	48.41 1.88 -10.99	48.77 1.67 -17.88	54.33 2.00 -19.49	60.20 2.02 -25.10	56.04 2.50 -17.28	54.16 2.59 -15.10	72.35 2.24 -38.16	66.95 2.24 -32.24	66.29 2.41 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.11 2.50 -41.19	95.68 2.82 -47.34	103.70 3.79 -42.43	103.06 2.97 -55.79	102.50 3.05 -51.75	88.07 2.84 -38.65	84.15 2.39 -41.88	78.14 2.26 -35.47	72.10 2.74 -17.59

CHESTROR_138KV_BK263 355645	49.97 1.45 -13.16	48.69 1.34 -13.84	48.00 1.35 -10.07	46.14 1.41 -7.56	47.19 1.39 -10.26	47.13 1.20 -16.70	52.45 1.41 -18.21	57.98 1.46 -23.45	54.17 1.78 -16.14	52.40 1.82 -14.10	69.10 1.50 -35.65	64.08 1.49 -30.11	63.60 1.60 -26.56	66.23 1.57 -29.00	70.38 1.51 -33.83	78.71 1.81 -38.47	91.83 2.09 -44.21	99.86 2.76 -39.63	98.58 2.17 -52.11	98.28 2.24 -48.33	84.77 2.10 -36.10	80.79 1.79 -39.11	75.20 1.66 -33.13	70.16 1.97 -16.43
CH_MIDHUDSON___DRP 24192	51.40 1.77 -14.28	50.13 1.61 -15.01	49.14 1.65 -10.92	47.08 1.71 -8.20	48.35 1.67 -11.14	48.81 1.46 -18.12	54.27 1.67 -19.76	60.28 1.75 -25.45	55.88 2.10 -17.51	53.93 2.15 -15.30	72.42 1.79 -38.69	66.97 1.82 -32.68	66.22 1.95 -28.83	69.09 1.96 -31.47	73.65 1.89 -36.72	82.41 2.23 -41.75	96.14 2.64 -47.98	103.99 3.51 -43.01	103.55 2.70 -56.55	102.97 2.81 -52.45	88.45 2.70 -39.18	84.60 2.27 -42.45	78.50 2.14 -35.95	72.08 2.48 -17.83
CH_MISC_IPPS 23765	51.39 1.94 -14.09	50.10 1.77 -14.81	49.18 1.83 -10.78	47.15 1.89 -8.09	48.41 1.88 -10.99	48.72 1.61 -17.88	54.20 1.87 -19.49	60.13 1.95 -25.10	55.86 2.32 -17.28	53.94 2.37 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.25 2.00 -36.22	82.08 2.46 -41.19	95.91 3.05 -47.33	103.92 4.02 -42.43	103.23 3.15 -55.79	102.69 3.25 -51.74	88.34 3.12 -38.65	84.31 2.55 -41.87	78.30 2.42 -35.47	72.04 2.69 -17.59
CH_RES_BVR_FALLS 23983	33.91 -1.45 0.00	32.14 -1.38 0.00	35.22 -1.35 0.00	35.61 -1.56 0.00	34.05 -1.49 0.00	27.80 -1.43 0.00	31.39 -1.44 0.00	31.89 -1.19 0.00	35.06 -1.20 0.00	35.49 -0.98 0.00	31.02 -0.93 0.00	31.59 -0.88 0.00	34.59 -0.85 0.00	34.84 -0.82 0.00	34.16 -0.87 0.00	37.43 -1.00 0.00	44.79 -0.73 0.00	56.62 -0.86 0.00	43.50 -0.80 0.00	46.94 -0.77 0.00	46.11 -0.47 0.00	39.52 -0.36 0.00	40.17 -0.24 0.00	51.92 0.16 0.00
CH_RES_NIAGARA 23895	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.80 -3.26 -1.48	35.01 -3.27 -1.11	34.13 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.31 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.24 -4.22 -3.02	34.71 -4.24 -3.29	34.78 -4.10 -3.84	38.34 -4.46 -4.37	45.03 -5.51 -5.02	54.56 -7.41 -4.50	44.94 -5.27 -5.91	47.18 -6.01 -5.48	44.75 -5.91 -4.10	39.66 -4.67 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
CH_RES_SYRACUSE 23985	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.25 -1.02	37.68 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.27 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.60 -0.41 -4.49	61.04 -0.46 -4.03	49.24 -0.36 -5.29	52.14 -0.48 -4.91	49.73 -0.51 -3.67	43.34 -0.52 -3.97	43.21 -0.57 -3.37	52.71 -0.72 -1.67
CLINTON_WT_PWR 323605	33.02 -2.33 0.00	31.27 -2.24 0.00	34.53 -2.05 0.00	34.64 -2.53 0.00	33.09 -2.45 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.26 -1.82 0.00	34.48 -1.78 0.00	35.16 -1.31 0.00	30.61 -1.34 0.00	31.17 -1.30 0.00	34.31 -1.14 0.00	34.63 -1.04 0.00	33.91 -1.12 0.00	37.16 -1.27 0.00	45.11 -0.41 0.00	57.08 -0.40 0.00	43.64 -0.66 0.00	47.13 -0.57 0.00	46.62 0.05 0.00	39.84 -0.04 0.00	40.49 0.08 0.00	52.85 1.09 0.00
CLINTON___LFGE 323618	33.56 -1.80 0.00	31.77 -1.74 0.00	35.15 -1.43 0.00	35.20 -1.97 0.00	33.62 -1.92 0.00	27.24 -1.99 0.00	30.99 -1.84 0.00	31.86 -1.22 0.00	35.17 -1.09 0.00	35.82 -0.66 0.00	31.22 -0.73 0.00	31.76 -0.71 0.00	35.02 -0.42 0.00	35.27 -0.39 0.00	34.62 -0.42 0.00	37.93 -0.50 0.00	46.11 0.59 0.00	58.39 0.92 0.00	44.65 0.35 0.00	48.18 0.48 0.00	47.74 1.16 0.00	40.72 0.84 0.00	41.30 0.89 0.00	53.89 2.12 0.00
COBBLENY_34_KV_TB1 80064	34.89 -2.62 -2.15	33.16 -2.61 -2.26	35.41 -2.82 -1.65	35.62 -2.79 -1.24	34.73 -2.49 -1.68	29.98 -1.99 -2.73	32.74 -2.56 -2.46	33.51 -2.75 -3.17	35.33 -3.12 -2.19	35.10 -3.28 -1.91	33.99 -2.78 -4.82	33.65 -2.89 -4.07	35.88 -3.15 -3.59	36.45 -3.14 -3.92	36.63 -2.98 -4.57	40.52 -3.11 -5.20	47.81 -3.69 -5.98	58.06 -4.77 -5.36	47.93 -3.41 -7.04	50.33 -3.91 -6.53	47.59 -3.87 -4.88	41.98 -3.19 -5.29	41.82 -3.07 -4.48	50.93 -3.52 -2.69
COFFEEN___115KV_TB3 355620	35.43 -0.64 -0.71	33.59 -0.67 -0.75	36.39 -0.73 -0.55	36.80 -0.78 -0.41	35.28 -0.82 -0.56	29.35 -0.79 -0.90	33.13 -0.69 -0.99	34.09 -0.26 -1.27	36.92 -0.22 -0.88	37.02 -0.22 -0.76	33.53 -0.35 -1.93	33.71 -0.39 -1.63	36.53 -0.35 -1.44	36.95 -0.29 -1.57	36.63 -0.25 -1.83	40.32 -0.19 -2.09	48.24 0.32 -2.40	60.43 0.80 -2.15	47.57 0.44 -2.83	51.23 0.91 -2.62	49.46 0.93 -1.96	42.52 0.52 -2.12	42.41 0.20 -1.80	52.66 0.00 -0.89
COLDSPRG_115KV_BK1 355956	34.96 -2.65 -2.26	33.24 -2.65 -2.37	35.49 -2.82 -1.73	35.75 -2.71 -1.30	34.96 -2.35 -1.76	30.23 -1.87 -2.87	33.21 -2.27 -2.64	34.43 -2.05 -3.40	36.32 -2.28 -2.34	36.00 -2.52 -2.05	35.01 -2.11 -5.17	34.63 -2.21 -4.36	36.92 -2.37 -3.85	37.51 -2.35 -4.20	37.80 -2.14 -4.90	41.89 -2.11 -5.57	49.61 -2.32 -6.41	60.63 -2.59 -5.74	49.94 -1.90 -7.55	52.46 -2.24 -7.00	49.61 -2.19 -5.23	43.60 -1.95 -5.67	43.19 -2.02 -4.80	51.84 -2.74 -2.82
COLONIE_LFGE___ 323577	53.64 1.34 -16.94	52.56 1.24 -17.81	50.89 1.35 -12.96	48.23 1.34 -9.73	50.10 1.35 -13.21	51.87 1.14 -21.50	57.53 1.25 -23.45	64.54 1.26 -30.20	58.54 1.49 -20.79	56.10 1.46 -18.17	79.08 1.21 -45.92	72.53 1.27 -38.79	71.08 1.42 -34.22	74.48 1.46 -37.36	80.06 1.44 -43.58	89.53 1.54 -49.56	104.34 1.87 -56.96	110.94 2.41 -51.05	113.25 1.82 -67.13	111.88 1.91 -62.26	94.99 1.91 -46.51	91.87 1.60 -50.39	84.74 1.66 -42.68	75.09 2.17 -21.15
COOPERNY_115KV_TB1 80082	45.65 0.78 -9.52	44.26 0.74 -10.01	44.62 0.77 -7.28	43.45 0.82 -5.47	43.75 0.78 -7.42	41.95 0.64 -12.08	46.75 0.76 -13.16	50.86 0.83 -16.95	48.94 1.02 -11.67	47.69 1.02 -10.19	58.55 0.83 -25.77	55.05 0.81 -21.77	55.50 0.85 -19.20	57.48 0.86 -20.96	60.30 0.81 -24.46	67.24 1.00 -27.81	78.62 1.14 -31.96	87.62 1.49 -28.65	83.12 1.15 -37.67	83.88 1.24 -34.94	73.83 1.16 -26.10	69.16 1.00 -28.28	65.25 0.89 -23.95	64.68 1.04 -11.88
COPENHAGEN_WT_PWR 323753	35.24 -0.85 -0.73	33.41 -0.87 -0.77	36.18 -0.95 -0.56	36.59 -1.00 -0.42	35.08 -1.03 -0.57	29.23 -0.94 -0.93	32.96 -0.88 -1.02	33.83 -0.56 -1.31	36.62 -0.54 -0.90	36.71 -0.55 -0.79	33.37 -0.57 -1.99	33.53 -0.62 -1.68	36.33 -0.60 -1.48	36.75 -0.53 -1.62	36.40 -0.52 -1.89	40.04 -0.54 -2.15	47.81 -0.18 -2.47	59.69 0.00 -2.21	47.12 -0.09 -2.91	50.64 0.24 -2.70	48.92 0.33 -2.02	42.15 0.08 -2.18	42.06 -0.20 -1.85	52.27 -0.42 -0.92
CORNELL_____ 23752	38.82 0.50 -2.97	37.13 0.50 -3.12	39.36 0.51 -2.27	39.39 0.52 -1.70	38.35 0.50 -2.31	33.46 0.47 -3.76	37.42 0.56 -4.03	38.94 0.66 -5.19	40.45 0.62 -3.57	40.07 0.47 -3.12	40.20 0.35 -7.90	39.50 0.36 -6.67	41.75 0.43 -5.88	42.51 0.43 -6.42	43.02 0.49 -7.49	47.64 0.69 -8.52	56.32 1.00 -9.79	67.69 1.44 -8.78	56.86 1.02 -11.54	59.46 1.05 -10.70	55.50 0.93 -8.00	49.18 0.64 -8.66	48.27 0.53 -7.34	56.04 0.57 -3.70

CORONA__69_KV_TB1 355595	54.70 2.26 -17.08	50.45 2.11 -14.83	49.51 2.16 -10.78	47.56 2.30 -8.09	48.81 2.27 -10.99	49.12 1.99 -17.90	54.75 2.27 -19.66	60.52 2.32 -25.12	56.31 2.76 -17.30	54.42 2.84 -15.10	72.10 1.98 -38.17	66.86 2.14 -32.24	66.05 2.16 -28.44	68.93 2.21 -31.05	73.33 2.07 -36.23	82.41 2.77 -41.21	135.69 3.10 -87.07	171.35 4.02 -109.86	145.70 3.10 -98.30	126.35 3.29 -75.35	127.00 3.12 -77.31	112.61 2.67 -70.05	78.53 2.63 -35.49	72.46 3.11 -17.59
CORTLAND__115KV_TB3 80093	37.97 0.21 -2.40	36.24 0.20 -2.53	38.63 0.22 -1.84	38.77 0.22 -1.38	37.63 0.21 -1.87	32.48 0.20 -3.05	36.39 0.26 -3.29	37.65 0.33 -4.24	39.46 0.29 -2.92	39.20 0.18 -2.55	38.52 0.13 -6.44	38.07 0.16 -5.44	40.42 0.18 -4.80	41.08 0.18 -5.24	41.36 0.21 -6.11	45.73 0.35 -6.95	54.01 0.50 -7.99	65.38 0.75 -7.16	54.25 0.53 -9.41	56.96 0.52 -8.73	53.56 0.47 -6.52	47.23 0.28 -7.07	46.56 0.16 -5.99	54.92 0.16 -3.00
COXSACKIE__GT 23611	53.18 1.87 -15.95	51.99 1.71 -16.77	50.60 1.83 -12.20	48.07 1.75 -9.16	49.83 1.85 -12.44	51.02 1.55 -20.24	56.62 1.71 -22.08	63.24 1.72 -28.44	57.72 1.88 -19.57	55.14 1.57 -17.10	76.65 1.47 -43.23	70.45 1.46 -36.52	69.36 1.70 -32.21	72.61 1.78 -35.17	77.99 1.93 -41.03	87.24 2.15 -46.66	102.01 2.87 -53.62	109.45 3.91 -48.06	110.42 2.92 -63.20	109.23 2.91 -58.62	93.29 2.94 -43.79	89.71 2.39 -47.44	83.18 2.59 -40.18	74.83 3.16 -19.91
CPV_VALLEY__CC1 323721	45.14 0.56 -9.22	43.78 0.57 -9.69	44.21 0.58 -7.05	43.09 0.63 -5.29	43.30 0.57 -7.19	41.43 0.50 -11.70	46.14 0.56 -12.75	50.13 0.63 -16.42	48.36 0.80 -11.30	47.15 0.80 -9.87	57.55 0.64 -24.96	54.17 0.62 -21.09	54.68 0.64 -18.60	56.57 0.61 -20.31	59.32 0.60 -23.69	66.14 0.77 -26.94	77.44 0.96 -30.96	86.49 1.26 -27.75	81.76 0.97 -36.49	82.60 1.05 -33.84	72.83 0.98 -25.28	68.07 0.80 -27.39	64.34 0.73 -23.20	64.00 0.72 -11.51
CPV_VALLEY__CC2 323722	45.14 0.56 -9.22	43.78 0.57 -9.69	44.21 0.58 -7.05	43.09 0.63 -5.29	43.30 0.57 -7.19	41.43 0.50 -11.70	46.14 0.56 -12.75	50.13 0.63 -16.42	48.36 0.80 -11.30	47.15 0.80 -9.87	57.55 0.64 -24.96	54.17 0.62 -21.09	54.68 0.64 -18.60	56.57 0.61 -20.31	59.32 0.60 -23.69	66.14 0.77 -26.94	77.44 0.96 -30.96	86.49 1.26 -27.75	81.76 0.97 -36.49	82.60 1.05 -33.84	72.83 0.98 -25.28	68.07 0.80 -27.39	64.34 0.73 -23.20	64.00 0.72 -11.51
CRESCENT__HYD 24018	53.64 1.34 -16.94	52.56 1.24 -17.81	50.89 1.35 -12.96	48.23 1.34 -9.73	50.10 1.35 -13.21	51.87 1.14 -21.50	57.53 1.25 -23.45	64.54 1.26 -30.20	58.54 1.49 -20.79	56.10 1.46 -18.17	79.08 1.21 -45.92	72.53 1.27 -38.79	71.08 1.42 -34.22	74.48 1.46 -37.36	80.06 1.44 -43.58	89.53 1.54 -49.56	104.34 1.87 -56.96	110.94 2.41 -51.05	113.25 1.82 -67.13	111.88 1.91 -62.26	94.99 1.91 -46.51	91.87 1.60 -50.39	84.74 1.66 -42.68	75.09 2.17 -21.15
CRICKET__VALLEY_CC1 323756	51.48 1.45 -14.67	50.25 1.31 -15.43	49.19 1.39 -11.23	47.04 1.45 -8.43	48.41 1.42 -11.44	49.08 1.23 -18.62	54.48 1.35 -20.30	60.65 1.42 -26.15	55.96 1.70 -18.00	54.02 1.82 -15.73	73.27 1.57 -39.75	67.67 1.62 -33.58	66.80 1.74 -29.62	69.75 1.75 -32.34	74.45 1.68 -37.73	83.29 1.96 -42.90	97.24 2.41 -49.31	104.83 3.16 -44.19	104.85 2.43 -58.11	104.08 2.48 -53.90	89.25 2.42 -40.26	85.54 2.03 -43.62	79.30 1.94 -36.94	72.42 2.33 -18.32
CRICKET__VALLEY_CC2 323757	51.48 1.45 -14.67	50.25 1.31 -15.43	49.19 1.39 -11.23	47.04 1.45 -8.43	48.41 1.42 -11.44	49.08 1.23 -18.62	54.48 1.35 -20.30	60.65 1.42 -26.15	55.96 1.70 -18.00	54.02 1.82 -15.73	73.27 1.57 -39.75	67.67 1.62 -33.58	66.80 1.74 -29.62	69.75 1.75 -32.34	74.45 1.68 -37.73	83.29 1.96 -42.90	97.24 2.41 -49.31	104.83 3.16 -44.19	104.85 2.43 -58.11	104.08 2.48 -53.90	89.25 2.42 -40.26	85.54 2.03 -43.62	79.30 1.94 -36.94	72.42 2.33 -18.32
CRICKET__VALLEY_CC3 323758	51.48 1.45 -14.67	50.25 1.31 -15.43	49.19 1.39 -11.23	47.04 1.45 -8.43	48.41 1.42 -11.44	49.08 1.23 -18.62	54.48 1.35 -20.30	60.65 1.42 -26.15	55.96 1.70 -18.00	54.02 1.82 -15.73	73.27 1.57 -39.75	67.67 1.62 -33.58	66.80 1.74 -29.62	69.75 1.75 -32.34	74.45 1.68 -37.73	83.29 1.96 -42.90	97.24 2.41 -49.31	104.83 3.16 -44.19	104.85 2.43 -58.11	104.08 2.48 -53.90	89.25 2.42 -40.26	85.54 2.03 -43.62	79.30 1.94 -36.94	72.42 2.33 -18.32
CRUCIBLE_METL_DRP 24180	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.26 -1.02	37.67 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.26 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.65 -0.36 -4.49	61.04 -0.46 -4.03	49.24 -0.35 -5.29	52.19 -0.43 -4.91	49.77 -0.47 -3.67	43.38 -0.48 -3.97	43.25 -0.53 -3.37	52.71 -0.72 -1.67
DAHOWA__HYDRO 323763	54.61 2.09 -17.17	53.51 1.94 -18.05	51.79 2.08 -13.14	49.07 2.04 -9.86	51.00 2.06 -13.39	52.78 1.75 -21.79	58.58 1.97 -23.77	65.68 1.98 -30.62	59.62 2.29 -21.07	57.07 2.19 -18.41	79.94 1.44 -46.55	73.22 1.43 -39.32	71.76 1.63 -34.68	75.13 1.61 -37.87	80.79 1.58 -44.18	90.58 1.92 -50.23	105.67 2.41 -57.73	112.38 3.16 -51.75	114.74 2.39 -68.05	113.34 2.53 -63.11	96.14 2.42 -47.14	92.95 1.99 -51.07	85.65 1.98 -43.26	75.74 2.54 -21.44
DANC__LFGE 323619	35.43 -0.78 -0.85	33.64 -0.77 -0.90	36.39 -0.84 -0.65	36.80 -0.85 -0.49	35.35 -0.85 -0.66	29.55 -0.76 -1.08	33.22 -0.79 -1.18	34.00 -0.59 -1.52	36.65 -0.65 -1.04	36.76 -0.62 -0.91	33.62 -0.64 -2.31	33.77 -0.65 -1.95	36.49 -0.67 -1.72	36.90 -0.64 -1.88	36.63 -0.60 -2.19	40.27 -0.65 -2.49	47.84 -0.54 -2.86	59.52 -0.52 -2.57	47.19 -0.49 -3.37	50.55 -0.28 -3.13	48.68 -0.23 -2.34	42.09 -0.32 -2.53	42.03 -0.53 -2.14	52.10 -0.72 -1.06
DANSKAMMER__1 23586	51.39 1.94 -14.09	50.10 1.77 -14.81	49.18 1.83 -10.78	47.15 1.89 -8.09	48.41 1.88 -10.99	48.72 1.61 -17.88	54.20 1.87 -19.49	60.13 1.95 -25.10	55.86 2.32 -17.28	53.94 2.37 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.25 2.00 -36.22	82.08 2.46 -41.19	95.91 3.05 -47.33	103.92 4.02 -42.43	103.23 3.15 -55.79	102.69 3.25 -51.74	88.34 3.12 -38.65	84.31 2.55 -41.87	78.30 2.42 -35.47	72.04 2.69 -17.59
DANSKAMMER__2 23589	51.39 1.94 -14.09	50.10 1.77 -14.81	49.18 1.83 -10.78	47.15 1.89 -8.09	48.41 1.88 -10.99	48.72 1.61 -17.88	54.20 1.87 -19.49	60.13 1.95 -25.10	55.86 2.32 -17.28	53.94 2.37 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.25 2.00 -36.22	82.08 2.46 -41.19	95.91 3.05 -47.33	103.92 4.02 -42.43	103.23 3.15 -55.79	102.69 3.25 -51.74	88.34 3.12 -38.65	84.31 2.55 -41.87	78.30 2.42 -35.47	72.04 2.69 -17.59
DANSKAMMER__3 23590	51.39 1.94 -14.09	50.10 1.77 -14.81	49.18 1.83 -10.78	47.15 1.89 -8.09	48.41 1.88 -10.99	48.72 1.61 -17.88	54.20 1.87 -19.49	60.13 1.95 -25.10	55.86 2.32 -17.28	53.94 2.37 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.25 2.00 -36.22	82.08 2.46 -41.19	95.91 3.05 -47.33	103.92 4.02 -42.43	103.23 3.15 -55.79	102.69 3.25 -51.74	88.34 3.12 -38.65	84.31 2.55 -41.87	78.30 2.42 -35.47	72.04 2.69 -17.59

DANSKAMMER___4 23591	51.39 1.94 -14.09	50.10 1.77 -14.81	49.18 1.83 -10.78	47.15 1.89 -8.09	48.41 1.88 -10.99	48.72 1.61 -17.88	54.20 1.87 -19.49	60.13 1.95 -25.10	55.86 2.32 -17.28	53.94 2.37 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.25 2.00 -36.22	82.08 2.46 -41.19	95.91 3.05 -47.33	103.92 4.02 -42.43	103.23 3.15 -55.79	102.69 3.25 -51.74	88.34 3.12 -38.65	84.31 2.55 -41.87	78.30 2.42 -35.47	72.04 2.69 -17.59
DANSKAMMER___DIESEL 23592	51.39 1.94 -14.09	50.10 1.78 -14.81	49.18 1.83 -10.78	47.15 1.90 -8.09	48.41 1.88 -10.99	48.72 1.61 -17.88	54.20 1.87 -19.49	60.13 1.95 -25.10	55.86 2.32 -17.28	53.94 2.37 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	66.01 2.13 -28.44	68.81 2.10 -31.05	73.29 2.03 -36.22	82.08 2.46 -41.19	95.77 2.91 -47.33	103.81 3.91 -42.43	103.10 3.01 -55.79	102.55 3.10 -51.74	88.20 2.98 -38.65	84.27 2.51 -41.87	78.22 2.34 -35.47	72.10 2.74 -17.59
DARBY___SOLAR 323810	54.44 1.94 -17.14	53.34 1.81 -18.02	51.62 1.94 -13.11	48.90 1.89 -9.84	50.83 1.92 -13.37	52.59 1.61 -21.75	58.37 1.80 -23.73	65.49 1.85 -30.56	59.43 2.14 -21.03	56.89 2.04 -18.38	79.81 1.40 -46.46	73.11 1.40 -39.24	71.66 1.60 -34.62	75.02 1.57 -37.79	80.67 1.54 -44.09	90.41 1.84 -50.14	105.42 2.28 -57.62	112.11 2.99 -51.65	114.47 2.26 -67.92	113.08 2.38 -62.99	95.95 2.33 -47.05	92.73 1.87 -50.98	85.49 1.90 -43.17	75.60 2.43 -21.40
DASHVILLE___HYD 23610	50.85 1.13 -14.36	49.62 1.01 -15.10	48.59 1.02 -10.99	46.49 1.08 -8.25	47.81 1.07 -11.20	48.42 0.96 -18.22	53.85 1.15 -19.87	59.89 1.22 -25.59	55.40 1.52 -17.61	53.43 1.57 -15.39	72.07 1.21 -38.90	66.54 1.20 -32.86	65.71 1.28 -28.99	68.56 1.25 -31.65	73.15 1.19 -36.93	82.03 1.61 -41.99	95.64 1.87 -48.25	103.31 2.59 -43.25	103.17 1.99 -56.87	102.46 2.00 -52.75	87.93 1.96 -39.40	84.17 1.60 -42.69	77.94 1.37 -36.16	71.14 1.45 -17.93
DEERFIELD_69_KV_DEERFIELD LD 355887	53.95 2.83 -15.76	51.15 2.81 -14.83	49.73 2.38 -10.78	48.08 2.82 -8.09	49.38 2.84 -10.99	49.64 2.51 -17.89	55.44 3.02 -19.59	61.24 3.04 -25.12	56.70 3.15 -17.29	54.64 3.06 -15.10	71.85 1.73 -38.17	66.76 2.05 -32.24	65.77 1.88 -28.44	68.78 2.07 -31.05	73.26 2.00 -36.23	82.71 3.07 -41.21	118.86 3.82 -69.51	140.98 4.94 -78.56	127.58 3.77 -79.52	116.83 4.20 -64.92	110.94 4.14 -60.23	100.95 3.47 -57.60	79.09 3.19 -35.48	73.34 3.99 -17.59
DELAWARE___LFGE 323621	42.14 1.03 -5.76	40.57 1.01 -6.05	42.08 1.10 -4.41	41.63 1.15 -3.31	41.06 1.03 -4.49	37.36 0.82 -7.31	41.71 0.95 -7.93	44.41 1.12 -10.21	44.59 1.31 -7.03	43.85 1.24 -6.14	48.49 1.02 -15.52	46.59 1.01 -13.11	48.11 1.10 -11.57	49.39 1.11 -12.63	50.85 1.09 -14.73	56.49 1.31 -16.75	66.37 1.59 -19.25	76.74 2.01 -17.26	68.50 1.51 -22.69	70.47 1.72 -21.05	63.97 1.68 -15.72	58.31 1.40 -17.03	56.09 1.25 -14.42	60.40 1.45 -7.19
DERFIELD_115KV_TB7 355931	35.39 0.04 0.00	33.55 0.03 0.00	36.61 0.04 0.00	37.20 0.04 0.00	35.58 0.04 0.00	29.23 0.00 0.00	32.83 0.00 0.00	33.11 0.03 0.00	36.33 0.07 0.00	36.54 0.07 0.00	32.01 0.06 0.00	32.53 0.06 0.00	35.55 0.11 0.00	35.77 0.11 0.00	35.14 0.11 0.00	38.51 0.08 0.00	45.66 0.14 0.00	57.65 0.17 0.00	44.39 0.09 0.00	47.85 0.14 0.00	46.71 0.14 0.00	40.04 0.16 0.00	40.57 0.16 0.00	51.97 0.21 0.00
DOGLEVILLE___HYD 23807	35.96 0.60 0.00	34.12 0.60 0.00	37.27 0.69 0.00	37.91 0.74 0.00	36.29 0.75 0.00	29.85 0.61 0.00	33.49 0.66 0.00	33.84 0.76 0.00	37.17 0.91 0.00	37.42 0.95 0.00	32.84 0.89 0.00	33.38 0.91 0.00	36.44 0.99 0.00	36.62 0.96 0.00	35.98 0.95 0.00	39.47 1.04 0.00	46.70 1.18 0.00	58.97 1.49 0.00	45.36 1.06 0.00	48.85 1.14 0.00	47.64 1.07 0.00	40.92 1.04 0.00	41.46 1.05 0.00	53.16 1.40 0.00
DUNKIRK___115KV_TB_200 55889	34.89 -2.58 -2.12	33.16 -2.58 -2.23	35.45 -2.74 -1.62	35.71 -2.68 -1.22	34.88 -2.31 -1.65	30.08 -1.84 -2.69	32.84 -2.40 -2.40	33.55 -2.61 -3.09	35.41 -2.97 -2.13	35.19 -3.14 -1.86	34.02 -2.62 -4.69	33.71 -2.73 -3.96	35.97 -2.98 -3.50	36.52 -2.96 -3.82	36.72 -2.77 -4.45	40.61 -2.88 -5.06	47.93 -3.41 -5.82	58.44 -4.25 -5.22	48.14 -3.01 -6.86	50.53 -3.53 -6.36	47.92 -3.40 -4.75	42.24 -2.79 -5.15	42.23 -2.55 -4.36	51.56 -2.85 -2.64
DUNKIRK___1 23563	34.89 -2.58 -2.12	33.16 -2.58 -2.23	35.45 -2.74 -1.62	35.71 -2.68 -1.22	34.88 -2.31 -1.65	30.08 -1.84 -2.69	32.84 -2.40 -2.40	33.55 -2.61 -3.09	35.41 -2.97 -2.13	35.19 -3.14 -1.86	34.02 -2.62 -4.69	33.71 -2.73 -3.96	35.97 -2.98 -3.50	36.52 -2.96 -3.82	36.72 -2.77 -4.45	40.61 -2.88 -5.06	47.93 -3.41 -5.82	58.44 -4.25 -5.22	48.14 -3.01 -6.86	50.53 -3.53 -6.36	47.92 -3.40 -4.75	42.24 -2.79 -5.15	42.23 -2.55 -4.36	51.56 -2.85 -2.64
DUNKIRK___2 23564	34.89 -2.58 -2.12	33.16 -2.58 -2.23	35.45 -2.74 -1.62	35.71 -2.68 -1.22	34.88 -2.31 -1.65	30.08 -1.84 -2.69	32.84 -2.40 -2.40	33.55 -2.61 -3.09	35.41 -2.97 -2.13	35.19 -3.14 -1.86	34.02 -2.62 -4.69	33.71 -2.73 -3.96	35.97 -2.98 -3.50	36.52 -2.96 -3.82	36.72 -2.77 -4.45	40.61 -2.88 -5.06	47.93 -3.41 -5.82	58.44 -4.25 -5.22	48.14 -3.01 -6.86	50.53 -3.53 -6.36	47.92 -3.40 -4.75	42.24 -2.79 -5.15	42.23 -2.55 -4.36	51.56 -2.85 -2.64
DUNKIRK___3 23565	34.84 -2.62 -2.09	33.10 -2.61 -2.20	35.36 -2.82 -1.60	35.62 -2.75 -1.20	34.80 -2.38 -1.63	29.96 -1.93 -2.66	32.73 -2.46 -2.36	33.41 -2.71 -3.04	35.27 -3.08 -2.09	35.09 -3.21 -1.83	33.82 -2.75 -4.62	33.54 -2.82 -3.90	35.80 -3.08 -3.44	36.31 -3.10 -3.76	36.51 -2.91 -4.38	40.37 -3.04 -4.98	47.65 -3.60 -5.72	58.07 -4.54 -5.13	47.81 -3.23 -6.74	50.24 -3.72 -6.26	47.57 -3.68 -4.67	41.96 -2.99 -5.06	41.91 -2.79 -4.29	51.22 -3.16 -2.62
DUNKIRK___4 23566	34.84 -2.62 -2.09	33.10 -2.61 -2.20	35.36 -2.82 -1.60	35.62 -2.75 -1.20	34.80 -2.38 -1.63	29.96 -1.93 -2.66	32.73 -2.46 -2.36	33.41 -2.71 -3.04	35.27 -3.08 -2.09	35.09 -3.21 -1.83	33.82 -2.75 -4.62	33.54 -2.82 -3.90	35.80 -3.08 -3.44	36.31 -3.10 -3.76	36.51 -2.91 -4.38	40.37 -3.04 -4.98	47.65 -3.60 -5.72	58.07 -4.54 -5.13	47.81 -3.23 -6.74	50.24 -3.72 -6.26	47.57 -3.68 -4.67	41.96 -2.99 -5.06	41.91 -2.79 -4.29	51.22 -3.16 -2.62
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	51.28 1.84 -14.09	50.00 1.68 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.63 1.52 -17.88	54.13 1.81 -19.49	60.04 1.85 -25.10	55.79 2.25 -17.28	53.90 2.33 -15.10	72.09 1.98 -38.16	66.72 2.01 -32.24	66.04 2.16 -28.44	68.81 2.10 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.54 2.69 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.65	84.03 2.27 -41.88	77.98 2.10 -35.47	71.89 2.54 -17.59
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	50.84 1.73 -13.75	49.55 1.58 -14.46	48.74 1.65 -10.52	46.74 1.67 -7.90	47.94 1.67 -10.73	48.12 1.43 -17.46	53.54 1.67 -19.03	59.34 1.75 -24.51	55.23 2.10 -16.87	53.33 2.12 -14.74	70.97 1.76 -37.26	65.67 1.72 -31.48	65.09 1.88 -27.76	67.83 1.85 -30.31	72.19 1.79 -35.37	80.80 2.15 -40.21	94.29 2.55 -46.22	102.29 3.39 -41.42	101.43 2.66 -54.47	100.95 2.72 -50.52	86.92 2.61 -37.74	82.96 2.19 -40.89	77.06 2.02 -34.63	71.27 2.33 -17.17

E179THST_138_KV_TB4_REV_LBMP_J 345001	51.35 1.91 -14.09	50.00 1.68 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.17 1.63 -10.99	48.45 1.34 -17.88	53.87 1.54 -19.49	59.67 1.49 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.00 1.89 -38.17	66.66 1.95 -32.24	66.05 2.16 -28.44	68.74 2.03 -31.05	73.08 1.82 -36.22	81.77 2.15 -41.19	95.27 2.41 -47.34	103.24 3.33 -42.43	102.66 2.57 -55.79	102.08 2.62 -51.75	87.60 2.38 -38.66	83.95 2.19 -41.88	78.22 2.34 -35.47	72.30 2.95 -17.59
E179THST_13_KV_LOAD 356214	51.50 2.05 -14.09	50.10 1.78 -14.81	49.11 1.76 -10.78	47.15 1.90 -8.09	48.27 1.74 -10.99	48.57 1.46 -17.88	54.00 1.67 -19.49	59.80 1.62 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.96 2.34 -41.19	95.45 2.59 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.79 2.56 -38.66	84.11 2.35 -41.88	78.39 2.51 -35.47	72.46 3.11 -17.59
EAST HAMPTON___GT 23717	53.73 2.62 -15.76	50.88 2.55 -14.83	49.47 2.12 -10.78	47.94 2.68 -8.09	49.13 2.59 -10.99	49.43 2.31 -17.89	55.24 2.82 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.42 2.85 -15.10	71.43 1.31 -38.17	66.43 1.72 -32.24	65.34 1.45 -28.44	68.36 1.64 -31.05	72.91 1.65 -36.23	82.36 2.73 -41.21	118.45 3.42 -69.51	140.40 4.37 -78.56	127.28 3.46 -79.52	116.58 3.96 -64.92	110.75 3.96 -60.23	100.79 3.31 -57.60	79.01 3.11 -35.48	73.45 4.09 -17.59
EAST RIVER___6 23660	51.35 1.91 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.05 2.48 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.08 2.20 -28.44	68.74 2.03 -31.05	73.15 1.89 -36.22	81.84 2.23 -41.19	95.59 2.73 -47.34	103.47 3.56 -42.43	102.93 2.84 -55.79	102.36 2.91 -51.75	87.92 2.70 -38.65	83.99 2.23 -41.88	78.06 2.18 -35.47	71.79 2.43 -17.59
EAST RIVER___7 23524	51.35 1.91 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.05 2.48 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.08 2.20 -28.44	68.74 2.03 -31.05	73.15 1.89 -36.22	81.84 2.23 -41.19	95.59 2.73 -47.34	103.47 3.56 -42.43	102.93 2.84 -55.79	102.36 2.91 -51.75	87.92 2.70 -38.65	83.99 2.23 -41.88	78.06 2.18 -35.47	71.79 2.43 -17.59
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	51.22 1.80 -14.06	49.91 1.61 -14.79	48.98 1.65 -10.76	46.95 1.71 -8.08	48.18 1.67 -10.97	48.54 1.46 -17.85	54.03 1.74 -19.46	59.93 1.79 -25.06	55.68 2.18 -17.25	53.80 2.26 -15.07	71.96 1.92 -38.10	66.57 1.92 -32.18	65.89 2.06 -28.39	68.65 2.00 -30.99	73.05 1.86 -36.16	81.77 2.23 -41.12	95.32 2.55 -47.25	103.22 3.39 -42.35	102.65 2.66 -55.69	102.08 2.72 -51.66	87.72 2.56 -38.59	83.88 2.19 -41.80	77.84 2.02 -35.41	71.76 2.43 -17.56
EAST_HAMPTON___DIESEL 23722	53.63 2.51 -15.76	50.82 2.48 -14.83	49.36 2.01 -10.78	47.86 2.60 -8.09	49.06 2.52 -10.99	49.37 2.25 -17.89	55.18 2.76 -19.59	61.07 2.88 -25.12	56.41 2.86 -17.29	54.38 2.81 -15.10	71.37 1.24 -38.17	66.34 1.62 -32.24	65.27 1.38 -28.44	68.28 1.57 -31.05	72.81 1.54 -36.23	82.28 2.65 -41.21	118.36 3.32 -69.51	140.23 4.19 -78.56	127.18 3.37 -79.52	116.45 3.82 -64.92	110.66 3.86 -60.23	100.71 3.23 -57.60	78.93 3.03 -35.48	73.34 3.99 -17.59
EAST_POINT___SOLAR 323840	56.81 2.72 -18.73	55.79 2.58 -19.69	53.61 2.71 -14.33	50.56 2.64 -10.76	52.82 2.67 -14.61	55.25 2.25 -23.77	61.28 2.53 -25.92	69.04 2.58 -33.38	62.10 2.86 -22.97	58.59 2.04 -20.07	84.23 1.53 -50.74	76.44 1.10 -42.86	74.46 1.21 -37.81	78.51 1.57 -41.28	84.74 1.54 -48.16	96.08 2.88 -54.76	112.51 4.05 -62.94	119.29 5.40 -56.41	122.64 4.16 -74.18	120.99 4.48 -68.80	102.20 4.24 -51.39	99.11 3.55 -55.68	90.88 3.31 -47.16	79.08 3.93 -23.38
EAST_PULASKI___ESR 323781	35.69 -0.64 -0.96	33.92 -0.60 -1.01	36.61 -0.70 -0.74	37.01 -0.71 -0.55	35.62 -0.68 -0.75	29.93 -0.53 -1.22	33.58 -0.59 -1.33	34.24 -0.56 -1.72	36.75 -0.69 -1.18	36.81 -0.69 -1.03	33.92 -0.64 -2.61	34.03 -0.65 -2.21	36.72 -0.67 -1.95	37.11 -0.68 -2.12	36.89 -0.63 -2.48	40.52 -0.73 -2.82	47.99 -0.77 -3.24	59.40 -0.98 -2.90	47.36 -0.75 -3.82	50.48 -0.77 -3.54	48.52 -0.70 -2.64	42.07 -0.68 -2.86	42.07 -0.77 -2.43	51.93 -1.03 -1.20
EAST_RIVER___1 323558	51.42 1.98 -14.09	50.10 1.77 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.13 1.95 -25.10	55.93 2.39 -17.28	54.08 2.51 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.08 2.20 -28.44	68.78 2.07 -31.05	73.18 1.93 -36.22	81.92 2.31 -41.19	95.68 2.82 -47.34	103.64 3.73 -42.43	103.06 2.97 -55.79	102.50 3.06 -51.75	88.07 2.84 -38.65	84.11 2.35 -41.88	78.18 2.30 -35.47	71.89 2.54 -17.59
EAST_RIVER___2 323559	51.35 1.91 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.88 -25.10	55.89 2.36 -17.28	54.05 2.48 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.08 2.20 -28.44	68.74 2.03 -31.05	73.15 1.89 -36.22	81.84 2.23 -41.19	95.59 2.73 -47.34	103.47 3.56 -42.43	102.93 2.84 -55.79	102.36 2.91 -51.75	87.92 2.70 -38.65	83.99 2.23 -41.88	78.06 2.18 -35.47	71.79 2.43 -17.59
EAST___DELAWARE_HYD 23607	49.74 1.94 -12.43	48.36 1.77 -13.08	47.92 1.83 -9.51	46.20 1.89 -7.14	47.09 1.85 -9.70	46.59 1.58 -15.78	51.91 1.87 -17.20	57.22 1.98 -22.16	53.79 2.29 -15.25	52.02 2.23 -13.32	67.39 1.76 -33.68	62.68 1.75 -28.45	62.39 1.84 -25.10	64.85 1.78 -27.40	68.83 1.82 -31.97	77.13 2.34 -36.35	90.30 3.00 -41.78	98.94 4.02 -37.45	96.69 3.15 -49.24	96.62 3.25 -45.67	83.81 3.12 -34.12	79.43 2.59 -36.96	74.06 2.34 -31.30	69.83 2.54 -15.53
EIGHT_POINT___WT_PWR 323820	36.41 -1.63 -2.67	34.82 -1.51 -2.81	37.05 -1.57 -2.05	37.18 -1.53 -1.54	36.31 -1.31 -2.09	31.63 -0.99 -3.39	35.09 -1.18 -3.44	36.32 -1.19 -4.43	37.82 -1.49 -3.05	37.31 -1.82 -2.66	36.99 -1.69 -6.73	36.43 -1.72 -5.69	38.58 -1.88 -5.02	39.32 -1.82 -5.48	39.78 -1.65 -6.39	44.23 -1.46 -7.26	52.27 -1.59 -8.35	63.18 -1.78 -7.48	52.76 -1.37 -9.84	55.21 -1.62 -9.13	51.76 -1.63 -6.82	45.79 -1.47 -7.39	45.25 -1.42 -6.26	53.34 -1.76 -3.34
ELBRIDGE_115KV_TB2 80188	36.38 -0.39 -1.41	34.60 -0.40 -1.49	37.22 -0.44 -1.08	37.53 -0.45 -0.81	36.22 -0.43 -1.10	30.73 -0.29 -1.79	34.46 -0.33 -1.96	35.20 -0.40 -2.52	37.45 -0.54 -1.74	37.40 -0.58 -1.52	35.27 -0.51 -3.83	35.19 -0.52 -3.24	37.73 -0.57 -2.86	38.21 -0.57 -3.12	38.15 -0.53 -3.64	42.03 -0.54 -4.14	49.59 -0.68 -4.75	60.93 -0.80 -4.26	49.28 -0.62 -5.60	52.18 -0.72 -5.20	49.66 -0.79 -3.88	43.37 -0.72 -4.21	43.21 -0.77 -3.56	52.55 -0.98 -1.77
ELEC_TRO_TEK 24086	54.52 2.12 -17.04	50.32 1.98 -14.83	49.33 1.98 -10.78	47.38 2.12 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.55 2.07 -19.65	60.35 2.15 -25.12	56.13 2.57 -17.30	54.20 2.63 -15.10	71.94 1.82 -38.17	66.73 2.01 -32.24	65.91 2.02 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.22 2.57 -41.21	134.96 2.91 -86.53	169.01 3.79 -107.74	144.94 2.92 -97.72	125.79 3.05 -75.03	126.28 2.93 -76.78	111.98 2.43 -69.67	78.29 2.38 -35.49	72.20 2.85 -17.59

ELLENBURG_WT_PWR 323604	33.02 -2.33 0.00	31.27 -2.24 0.00	34.53 -2.05 0.00	34.64 -2.53 0.00	33.09 -2.45 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.26 -1.82 0.00	34.48 -1.78 0.00	35.16 -1.31 0.00	30.61 -1.34 0.00	31.17 -1.30 0.00	34.31 -1.14 0.00	34.63 -1.04 0.00	33.91 -1.12 0.00	37.16 -1.27 0.00	45.11 -0.41 0.00	57.08 -0.40 0.00	43.64 -0.66 0.00	47.13 -0.57 0.00	46.62 0.05 0.00	39.84 -0.04 0.00	40.49 0.08 0.00	52.85 1.09 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	34.78 -2.62 -2.04	33.04 -2.61 -2.14	35.32 -2.82 -1.56	35.51 -2.82 -1.17	34.65 -2.49 -1.59	29.83 -1.99 -2.59	32.46 -2.63 -2.25	33.00 -2.98 -2.90	34.85 -3.41 -2.00	34.72 -3.50 -1.75	33.35 -3.00 -4.41	33.08 -3.12 -3.72	35.33 -3.40 -3.28	35.86 -3.39 -3.59	36.00 -3.22 -4.18	39.73 -3.46 -4.76	46.84 -4.14 -5.46	56.91 -5.46 -4.90	46.84 -3.90 -6.44	49.24 -4.44 -5.97	46.66 -4.38 -4.46	41.21 -3.51 -4.83	41.23 -3.27 -4.10	50.74 -3.57 -2.55
EMPIRE_CC_1 323656	52.51 0.96 -16.19	51.41 0.87 -17.03	49.91 0.95 -12.39	47.43 0.96 -9.30	49.13 0.96 -12.63	50.57 0.79 -20.55	56.01 0.76 -22.42	62.72 0.76 -28.87	57.04 0.91 -19.87	54.78 0.95 -17.37	76.84 0.99 -43.90	70.59 1.04 -37.08	69.32 1.17 -32.71	72.59 1.21 -35.71	77.89 1.19 -41.66	86.88 1.07 -47.38	101.11 1.14 -54.45	107.77 1.49 -48.80	109.58 1.11 -64.17	108.42 1.19 -59.52	92.29 1.26 -44.46	89.13 1.08 -48.17	82.54 1.33 -40.80	73.74 1.76 -20.22
EMPIRE_CC_2 323658	52.51 0.96 -16.19	51.41 0.87 -17.03	49.91 0.95 -12.39	47.43 0.96 -9.30	49.13 0.96 -12.63	50.57 0.79 -20.55	56.01 0.76 -22.42	62.72 0.76 -28.87	57.04 0.91 -19.87	54.78 0.95 -17.37	76.84 0.99 -43.90	70.59 1.04 -37.08	69.32 1.17 -32.71	72.59 1.21 -35.71	77.89 1.19 -41.66	86.88 1.07 -47.38	101.11 1.14 -54.45	107.77 1.49 -48.80	109.58 1.11 -64.17	108.42 1.19 -59.52	92.29 1.26 -44.46	89.13 1.08 -48.17	82.54 1.33 -40.80	73.74 1.76 -20.22
ENORWICH_115KV_TB1 80156	42.00 2.51 -4.13	40.23 2.38 -4.34	42.22 2.49 -3.16	42.14 2.60 -2.37	41.11 2.35 -3.22	36.37 1.90 -5.24	40.81 2.33 -5.65	43.27 2.91 -7.27	44.42 3.15 -5.01	43.69 2.84 -4.38	45.28 2.27 -11.06	44.15 2.34 -9.34	46.24 2.55 -8.24	47.23 2.57 -9.00	48.20 2.66 -10.50	53.59 3.23 -11.93	63.56 4.32 -13.72	75.57 5.81 -12.29	64.72 4.25 -16.17	67.33 4.63 -14.99	62.15 4.38 -11.20	55.49 3.47 -12.13	53.76 3.07 -10.28	60.44 3.52 -5.15
ERIE_ST__34_KV_TB1-2 80199	34.53 -2.93 -2.11	32.81 -2.92 -2.22	35.00 -3.18 -1.61	35.22 -3.16 -1.21	34.34 -2.84 -1.64	29.63 -2.28 -2.68	32.43 -2.79 -2.39	33.48 -2.68 -3.08	35.37 -3.01 -2.12	35.12 -3.21 -1.85	33.88 -2.75 -4.68	33.63 -2.79 -3.95	35.85 -3.08 -3.49	36.40 -3.07 -3.81	36.60 -2.87 -4.44	40.48 -3.00 -5.05	47.91 -3.41 -5.80	58.42 -4.25 -5.20	48.03 -3.10 -6.83	50.51 -3.53 -6.34	47.81 -3.49 -4.74	41.94 -3.07 -5.13	41.61 -3.15 -4.35	50.36 -4.04 -2.63
ERIE_WT_PWR 323693	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.39 -2.78 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.65 -2.53 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.94 -3.35 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.68 -3.19 -3.42	36.22 -3.17 -3.73	36.38 -3.01 -4.36	40.12 -3.27 -4.95	47.16 -4.05 -5.69	57.58 -5.00 -5.10	47.33 -3.68 -6.71	49.73 -4.20 -6.22	47.12 -4.10 -4.65	41.53 -3.39 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60
ESPRGFLD_115KV_TB1 80157	37.02 1.66 0.00	35.09 1.58 0.00	38.22 1.65 0.00	38.84 1.67 0.00	37.14 1.60 0.00	30.55 1.32 0.00	34.32 1.51 0.02	34.77 1.72 0.03	38.20 1.96 0.02	38.09 1.64 0.02	33.15 1.25 0.05	33.63 1.20 0.04	36.72 1.31 0.03	36.98 1.36 0.04	36.36 1.37 0.04	40.38 2.00 0.05	48.10 2.64 0.06	60.99 3.56 0.05	46.93 2.70 0.07	50.60 2.96 0.06	49.32 2.79 0.05	42.15 2.31 0.05	42.39 2.02 0.04	54.04 2.28 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	38.77 0.46 -2.96	37.09 0.47 -3.11	39.31 0.48 -2.26	39.35 0.48 -1.70	38.31 0.46 -2.31	33.42 0.44 -3.75	37.39 0.53 -4.03	38.86 0.60 -5.19	40.41 0.58 -3.57	40.03 0.44 -3.12	40.15 0.32 -7.88	39.45 0.32 -6.66	41.71 0.39 -5.87	42.47 0.39 -6.41	42.98 0.46 -7.48	47.59 0.65 -8.51	56.21 0.91 -9.78	67.56 1.32 -8.77	56.80 0.97 -11.53	59.40 1.00 -10.69	55.44 0.88 -7.99	49.13 0.60 -8.65	48.18 0.44 -7.33	55.97 0.52 -3.69
ETNA____115KV_TB2 80207	38.77 0.46 -2.96	37.09 0.47 -3.11	39.31 0.48 -2.26	39.35 0.48 -1.70	38.31 0.46 -2.31	33.42 0.44 -3.75	37.39 0.53 -4.03	38.86 0.60 -5.19	40.41 0.58 -3.57	40.03 0.44 -3.12	40.15 0.32 -7.88	39.45 0.32 -6.66	41.71 0.39 -5.87	42.47 0.39 -6.41	42.98 0.46 -7.48	47.59 0.65 -8.51	56.21 0.91 -9.78	67.56 1.32 -8.77	56.80 0.97 -11.53	59.40 1.00 -10.69	55.44 0.88 -7.99	49.13 0.60 -8.65	48.18 0.44 -7.33	55.97 0.52 -3.69
EUCLID____115KV_TB2 356179	35.91 -0.57 -1.12	34.12 -0.57 -1.18	36.81 -0.62 -0.86	37.18 -0.63 -0.64	35.81 -0.60 -0.87	30.21 -0.44 -1.42	33.85 -0.53 -1.55	34.48 -0.60 -1.99	36.87 -0.76 -1.37	36.87 -0.80 -1.20	34.28 -0.70 -3.03	34.31 -0.71 -2.56	36.92 -0.78 -2.26	37.34 -0.78 -2.46	37.18 -0.74 -2.88	40.89 -0.81 -3.27	48.28 -1.00 -3.76	59.58 -1.26 -3.37	47.75 -0.97 -4.43	50.71 -1.10 -4.11	48.57 -1.07 -3.07	42.25 -0.96 -3.32	42.26 -0.97 -2.82	51.92 -1.24 -1.40
E_CANADA_CAP_HY 24051	56.88 2.09 -19.43	55.96 2.01 -20.44	53.53 2.08 -14.87	50.41 2.08 -11.16	52.76 2.06 -15.16	55.65 1.75 -24.66	61.63 1.90 -26.89	69.70 1.98 -34.63	62.31 2.21 -23.84	59.05 1.75 -20.83	85.91 1.31 -52.65	78.18 1.23 -44.48	76.02 1.35 -39.23	79.92 1.43 -42.83	86.48 1.47 -49.97	97.60 2.34 -56.82	114.01 3.19 -65.31	120.26 4.25 -58.53	124.50 3.23 -76.97	122.57 3.48 -71.39	103.21 3.31 -53.33	100.49 2.83 -57.77	91.93 2.59 -48.93	79.08 3.05 -24.26
E_CANADA_MHWK_HY 24050	35.96 0.60 0.00	34.12 0.60 0.00	37.27 0.69 0.00	37.91 0.74 0.00	36.29 0.75 0.00	29.85 0.61 0.00	33.49 0.66 0.00	33.84 0.76 0.00	37.17 0.91 0.00	37.42 0.95 0.00	32.84 0.89 0.00	33.38 0.91 0.00	36.44 0.99 0.00	36.62 0.96 0.00	35.98 0.95 0.00	39.47 1.04 0.00	46.70 1.18 0.00	58.97 1.49 0.00	45.36 1.06 0.00	48.85 1.14 0.00	47.64 1.07 0.00	40.92 1.04 0.00	41.46 1.05 0.00	53.16 1.40 0.00
E_FISHKILL____LBMP 23776	51.27 1.59 -14.32	50.01 1.44 -15.06	49.03 1.50 -10.96	46.95 1.56 -8.23	48.24 1.53 -11.17	48.72 1.32 -18.18	54.20 1.54 -19.82	60.19 1.59 -25.52	55.75 1.92 -17.57	53.83 2.01 -15.35	72.45 1.69 -38.81	66.94 1.69 -32.78	66.20 1.84 -28.91	69.05 1.82 -31.57	73.58 1.72 -36.83	82.35 2.04 -41.88	95.97 2.32 -48.13	103.72 3.10 -43.14	103.42 2.39 -56.73	102.80 2.48 -52.61	88.25 2.38 -39.30	84.46 1.99 -42.58	78.37 1.90 -36.06	71.93 2.28 -17.88
FALCON____SEABRD_CC1 323796	33.41 -1.94 0.00	31.64 -1.88 0.00	34.97 -1.61 0.00	35.09 -2.08 0.00	33.52 -2.02 0.00	27.16 -2.07 0.00	30.90 -1.94 0.00	31.69 -1.39 0.00	34.99 -1.27 0.00	35.63 -0.84 0.00	31.05 -0.89 0.00	31.59 -0.88 0.00	34.81 -0.64 0.00	35.09 -0.57 0.00	34.41 -0.63 0.00	37.70 -0.73 0.00	45.80 0.27 0.00	57.99 0.52 0.00	44.30 0.00 0.00	47.85 0.14 0.00	47.36 0.79 0.00	40.48 0.60 0.00	41.10 0.69 0.00	53.63 1.86 0.00

FALCON___SEABRD_CC2 323797	33.41 -1.94 0.00	31.64 -1.88 0.00	34.97 -1.61 0.00	35.09 -2.08 0.00	33.52 -2.02 0.00	27.16 -2.07 0.00	30.90 -1.94 0.00	31.69 -1.39 0.00	34.99 -1.27 0.00	35.63 -0.84 0.00	31.05 -0.89 0.00	31.59 -0.88 0.00	34.81 -0.64 0.00	35.09 -0.57 0.00	34.41 -0.63 0.00	37.70 -0.73 0.00	45.80 0.27 0.00	57.99 0.52 0.00	44.30 0.00 0.00	47.85 0.14 0.00	47.36 0.79 0.00	40.48 0.60 0.00	41.10 0.69 0.00	53.63 1.86 0.00
FAR ROCKAWAY___4 23548	54.73 2.58 -16.79	50.75 2.41 -14.83	49.80 2.45 -10.78	47.86 2.60 -8.09	49.09 2.56 -10.99	49.35 2.22 -17.90	55.00 2.53 -19.64	60.75 2.55 -25.12	56.60 3.05 -17.30	54.71 3.14 -15.10	72.33 2.20 -38.17	67.12 2.40 -32.24	66.33 2.45 -28.44	69.21 2.50 -31.05	73.61 2.35 -36.23	82.75 3.11 -41.21	132.13 3.37 -83.24	165.47 4.37 -103.62	141.86 3.37 -94.20	124.36 3.58 -73.07	123.55 3.40 -73.57	110.25 3.03 -67.33	78.85 2.95 -35.49	72.88 3.52 -17.59
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.72 1.61 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.09 2.52 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.95 2.25 -31.05	73.29 2.03 -36.22	82.00 2.38 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.36 2.91 -51.75	87.93 2.70 -38.65	84.07 2.31 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.72 1.61 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.09 2.52 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.95 2.25 -31.05	73.29 2.03 -36.22	82.00 2.38 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.36 2.91 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.10 2.22 -35.47	71.99 2.64 -17.59
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	51.39 1.94 -14.09	50.07 1.74 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.05 2.48 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.92 2.21 -31.05	73.26 2.00 -36.22	82.00 2.38 -41.19	95.54 2.69 -47.34	103.52 3.62 -42.43	102.93 2.84 -55.79	102.36 2.91 -51.75	87.93 2.70 -38.65	84.03 2.27 -41.88	78.06 2.18 -35.47	71.94 2.59 -17.59
FARRAGUT___LBMP 323566	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.15 2.27 -28.44	68.92 2.21 -31.05	73.22 1.96 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.65	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
FENNER___WINDPWR 24204	37.45 0.49 -1.59	35.66 0.47 -1.68	38.27 0.47 -1.22	38.60 0.52 -0.92	37.25 0.46 -1.24	31.63 0.38 -2.02	35.52 0.49 -2.19	36.53 0.63 -2.82	38.89 0.69 -1.94	38.79 0.62 -1.70	36.75 0.51 -4.29	36.58 0.49 -3.62	39.20 0.57 -3.19	39.75 0.61 -3.49	39.74 0.63 -4.07	43.82 0.77 -4.63	51.84 1.00 -5.32	63.56 1.32 -4.77	51.50 0.93 -6.27	54.56 1.05 -5.81	51.94 1.02 -4.34	45.34 0.76 -4.70	45.04 0.64 -3.98	54.53 0.78 -1.99
FIBERTEK___ENERGY 23856	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.26 -1.02	37.67 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.26 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.65 -0.36 -4.49	61.04 -0.46 -4.03	49.24 -0.35 -5.29	52.19 -0.43 -4.91	49.77 -0.47 -3.67	43.38 -0.48 -3.97	43.25 -0.53 -3.37	52.71 -0.72 -1.67
FITZPATRICK____ 23598	35.12 -1.03 -0.79	33.37 -0.97 -0.83	36.08 -1.10 -0.60	36.51 -1.11 -0.45	35.13 -1.03 -0.61	29.41 -0.82 -1.00	32.97 -0.95 -1.09	33.42 -1.06 -1.40	35.95 -1.27 -0.97	36.00 -1.31 -0.84	32.96 -1.12 -2.13	33.14 -1.14 -1.80	35.79 -1.24 -1.59	36.15 -1.25 -1.74	35.83 -1.23 -2.03	39.35 -1.38 -2.30	46.48 -1.68 -2.65	57.72 -2.13 -2.37	45.78 -1.64 -3.12	48.78 -1.81 -2.89	46.96 -1.77 -2.16	40.71 -1.52 -2.34	40.86 -1.54 -1.98	50.83 -1.91 -0.98
FLOWRFLD_69_KV_BK1 356044	53.92 2.79 -15.77	50.99 2.65 -14.83	49.80 2.45 -10.78	48.01 2.75 -8.09	49.27 2.74 -10.99	49.49 2.37 -17.89	55.24 2.82 -19.59	61.04 2.84 -25.12	56.67 3.12 -17.29	54.71 3.14 -15.10	72.17 2.04 -38.17	67.02 2.31 -32.24	66.12 2.23 -28.44	69.10 2.39 -31.05	73.54 2.28 -36.23	82.90 3.27 -41.21	119.20 4.05 -69.62	141.46 5.23 -78.75	127.92 3.99 -79.64	116.94 4.25 -64.99	111.00 4.10 -60.33	100.95 3.39 -57.68	79.05 3.15 -35.48	73.08 3.73 -17.59
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	51.50 2.02 -14.13	50.22 1.84 -14.86	49.29 1.90 -10.81	47.25 1.97 -8.12	48.48 1.92 -11.02	48.83 1.67 -17.94	54.29 1.90 -19.56	60.28 2.02 -25.18	55.99 2.39 -17.33	54.02 2.41 -15.15	72.25 2.01 -38.29	66.83 2.01 -32.34	66.17 2.20 -28.53	68.98 2.18 -31.15	73.48 2.10 -36.34	82.33 2.57 -41.32	96.06 3.05 -47.49	104.06 4.02 -42.57	103.42 3.15 -55.97	102.81 3.20 -51.91	88.42 3.07 -38.78	84.49 2.59 -42.01	78.42 2.42 -35.58	72.21 2.80 -17.65
FORT ORANGE____ 23900	52.71 0.71 -16.64	51.68 0.67 -17.50	50.04 0.73 -12.73	47.43 0.70 -9.56	49.23 0.71 -12.98	50.94 0.58 -21.12	56.50 0.62 -23.04	63.15 0.40 -29.68	57.19 0.51 -20.43	54.83 0.51 -17.85	77.80 0.74 -45.12	71.33 0.75 -38.11	69.91 0.85 -33.62	73.22 0.85 -36.70	78.73 0.88 -42.82	87.73 0.61 -48.69	102.16 0.68 -55.96	108.55 0.92 -50.16	110.96 0.71 -65.95	109.59 0.72 -61.17	93.01 0.74 -45.69	90.02 0.64 -49.50	83.27 0.93 -41.93	73.89 1.34 -20.78
FORT_DRUM_COGEN 23780	35.09 -0.95 -0.69	33.26 -0.97 -0.72	36.04 -1.06 -0.53	36.45 -1.12 -0.40	34.94 -1.14 -0.54	29.05 -1.05 -0.87	32.80 -0.98 -0.95	33.68 -0.63 -1.23	36.49 -0.62 -0.84	36.63 -0.58 -0.74	33.18 -0.64 -1.87	33.36 -0.68 -1.58	36.16 -0.67 -1.39	36.57 -0.61 -1.52	36.21 -0.60 -1.77	39.87 -0.58 -2.01	47.65 -0.18 -2.31	59.67 0.11 -2.07	46.98 -0.04 -2.73	50.62 0.38 -2.53	48.93 0.47 -1.89	42.05 0.12 -2.05	41.98 -0.16 -1.73	52.26 -0.36 -0.86
FOX_HILLS___ESR 323835	51.32 1.87 -14.09	49.93 1.61 -14.81	48.96 1.61 -10.78	46.93 1.67 -8.09	48.13 1.60 -10.99	48.48 1.37 -17.88	53.97 1.64 -19.49	59.77 1.59 -25.10	55.57 2.03 -17.28	53.72 2.15 -15.10	71.97 1.85 -38.17	66.59 1.88 -32.24	66.40 2.52 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	82.00 2.38 -41.19	95.14 2.28 -47.34	103.18 3.28 -42.43	102.66 2.57 -55.79	102.03 2.58 -51.75	87.51 2.28 -38.66	83.84 2.07 -41.88	77.90 2.02 -35.47	71.89 2.54 -17.59
FPL FAR_ROCK_GT1 24212	54.73 2.58 -16.79	50.76 2.41 -14.83	49.80 2.45 -10.78	47.94 2.68 -8.09	49.09 2.56 -10.99	49.35 2.22 -17.90	55.00 2.53 -19.64	60.78 2.58 -25.12	56.60 3.05 -17.30	54.71 3.14 -15.10	72.32 2.20 -38.17	67.12 2.40 -32.24	66.26 2.38 -28.44	69.17 2.46 -31.05	73.58 2.31 -36.23	82.67 3.04 -41.21	132.22 3.46 -83.24	165.53 4.43 -103.62	142.00 3.50 -94.20	124.50 3.72 -73.07	123.68 3.54 -73.57	110.33 3.11 -67.33	78.93 3.03 -35.49	72.93 3.57 -17.59

FPL FAR_ROCK_GT2 23815	54.73 2.58 -16.79	50.76 2.41 -14.83	49.80 2.45 -10.78	47.94 2.68 -8.09	49.09 2.56 -10.99	49.35 2.22 -17.90	55.00 2.53 -19.64	60.78 2.58 -25.12	56.60 3.05 -17.30	54.71 3.14 -15.10	72.32 2.20 -38.17	67.12 2.40 -32.24	66.26 2.38 -28.44	69.17 2.46 -31.05	73.58 2.31 -36.23	82.67 3.04 -41.21	132.22 3.46 -83.24	165.53 4.43 -103.62	142.00 3.50 -94.20	124.50 3.72 -73.07	123.68 3.54 -73.57	110.33 3.11 -67.33	78.93 3.03 -35.49	72.93 3.57 -17.59
FRANKLIN_FALL_HYD 24054	33.61 -1.98 -0.23	31.84 -1.91 -0.24	35.10 -1.65 -0.18	35.14 -2.16 -0.13	33.63 -2.10 -0.18	27.36 -2.16 -0.29	31.11 -2.04 -0.32	32.07 -1.42 -0.41	35.27 -1.27 -0.28	35.88 -0.84 -0.25	31.64 -0.93 -0.62	32.12 -0.88 -0.53	35.27 -0.64 -0.46	35.56 -0.61 -0.51	34.96 -0.67 -0.59	38.33 -0.77 -0.67	46.43 0.14 -0.77	58.74 0.57 -0.69	45.25 0.04 -0.91	48.83 0.29 -0.84	48.18 0.98 -0.63	41.04 0.48 -0.68	41.56 0.57 -0.58	53.66 1.60 -0.29
FREEPORT_EQUUS_GT1 23764	54.06 2.37 -16.33	50.55 2.21 -14.83	49.51 2.16 -10.78	47.67 2.41 -8.09	48.84 2.31 -10.99	49.14 2.02 -17.89	54.75 2.30 -19.62	60.55 2.35 -25.12	56.34 2.79 -17.29	54.42 2.85 -15.10	71.97 1.85 -38.17	66.76 2.05 -32.24	65.87 1.98 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.25 2.61 -41.21	125.71 3.05 -77.13	152.51 3.91 -91.13	135.02 3.05 -87.67	120.40 3.25 -69.45	117.28 3.07 -67.64	105.56 2.67 -63.01	78.65 2.75 -35.49	72.51 3.16 -17.59
FREEPORT___CT2 23818	54.06 2.37 -16.33	50.55 2.21 -14.83	49.51 2.16 -10.78	47.67 2.41 -8.09	48.84 2.31 -10.99	49.14 2.02 -17.89	54.75 2.30 -19.62	60.55 2.35 -25.12	56.34 2.79 -17.29	54.42 2.85 -15.10	71.97 1.85 -38.17	66.76 2.05 -32.24	65.87 1.98 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.25 2.61 -41.21	125.71 3.05 -77.13	152.51 3.91 -91.13	135.02 3.05 -87.67	120.40 3.25 -69.45	117.28 3.07 -67.64	105.56 2.67 -63.01	78.65 2.75 -35.49	72.51 3.16 -17.59
FRESHKLS_33_KV_LOAD 356253	51.28 1.84 -14.09	49.90 1.58 -14.81	48.89 1.54 -10.78	46.86 1.60 -8.09	48.06 1.53 -10.99	48.45 1.34 -17.88	53.90 1.58 -19.49	59.70 1.52 -25.10	55.46 1.92 -17.28	53.61 2.04 -15.10	71.87 1.76 -38.17	66.46 1.75 -32.23	66.47 2.59 -28.44	69.06 2.35 -31.05	73.36 2.10 -36.22	81.96 2.34 -41.19	69.37 2.14 -21.71	77.42 3.10 -16.84	76.79 2.44 -30.06	76.24 2.43 -26.10	67.02 2.14 -18.30	67.22 1.95 -25.38	67.21 1.86 -24.94	71.84 2.48 -17.59
FULTON COGEN____ 23766	35.73 -0.67 -1.05	33.98 -0.64 -1.10	36.64 -0.73 -0.80	37.06 -0.71 -0.60	35.69 -0.68 -0.82	30.03 -0.53 -1.33	33.69 -0.59 -1.45	34.29 -0.66 -1.87	36.71 -0.83 -1.29	36.72 -0.88 -1.12	34.02 -0.77 -2.84	34.09 -0.78 -2.40	36.71 -0.85 -2.12	37.12 -0.86 -2.31	36.93 -0.81 -2.70	40.61 -0.88 -3.07	48.00 -1.05 -3.52	59.31 -1.32 -3.16	47.43 -1.02 -4.15	50.41 -1.14 -3.85	48.28 -1.16 -2.88	41.92 -1.08 -3.12	41.96 -1.09 -2.64	51.62 -1.45 -1.31
FULTON___LFGE 323630	56.31 2.41 -18.55	55.30 2.28 -19.51	53.18 2.41 -14.19	50.20 2.38 -10.65	52.39 2.38 -14.47	54.79 2.02 -23.54	60.77 2.26 -25.67	68.42 2.28 -33.06	61.59 2.57 -22.76	58.54 2.19 -19.88	83.90 1.69 -50.26	76.55 1.62 -42.46	74.67 1.77 -37.45	78.37 1.82 -40.89	84.60 1.86 -47.71	95.36 2.69 -54.24	111.46 3.60 -62.34	118.07 4.71 -55.88	121.41 3.63 -73.48	119.77 3.91 -68.15	101.21 3.73 -50.91	98.15 3.11 -55.15	90.07 2.95 -46.71	78.45 3.52 -23.16
G.F.CEMENT___DRP 24184	55.02 2.44 -17.23	53.94 2.31 -18.11	52.20 2.45 -13.18	49.48 2.42 -9.89	51.43 2.45 -13.44	53.17 2.08 -21.86	59.02 2.33 -23.85	66.15 2.35 -30.72	60.16 2.76 -21.14	57.57 2.63 -18.47	80.21 1.57 -46.70	73.44 1.53 -39.45	71.94 1.70 -34.80	75.29 1.64 -37.99	80.97 1.61 -44.32	90.83 2.00 -50.40	106.04 2.59 -57.92	112.78 3.39 -51.92	115.18 2.61 -68.27	113.74 2.72 -63.32	96.48 2.61 -47.30	93.20 2.07 -51.24	85.91 2.10 -43.40	75.91 2.64 -21.51
GARDENVILLE___LBMP 24039	34.78 -2.65 -2.08	33.05 -2.65 -2.18	35.31 -2.85 -1.59	35.54 -2.82 -1.19	34.68 -2.49 -1.62	29.85 -2.02 -2.64	32.57 -2.59 -2.33	33.17 -2.91 -3.00	35.02 -3.30 -2.07	34.85 -3.43 -1.81	33.60 -2.91 -4.55	33.30 -3.02 -3.85	35.54 -3.30 -3.39	36.05 -3.32 -3.71	36.21 -3.15 -4.32	40.04 -3.30 -4.91	47.21 -3.96 -5.65	57.37 -5.17 -5.06	47.28 -3.68 -6.66	49.68 -4.20 -6.17	47.04 -4.14 -4.61	41.49 -3.39 -5.00	41.45 -3.19 -4.23	50.79 -3.57 -2.59
GARDNVLA_35_KV_LD 355827	34.93 -2.51 -2.08	33.19 -2.51 -2.19	35.43 -2.74 -1.60	35.65 -2.71 -1.20	34.79 -2.38 -1.63	29.95 -1.93 -2.65	32.69 -2.50 -2.35	33.33 -2.78 -3.03	35.19 -3.15 -2.09	35.01 -3.28 -1.82	33.74 -2.81 -4.60	33.47 -2.89 -3.89	35.72 -3.15 -3.43	36.23 -3.17 -3.74	36.39 -3.01 -4.37	40.24 -3.15 -4.97	47.45 -3.78 -5.71	57.65 -4.94 -5.12	47.52 -3.50 -6.72	49.93 -4.01 -6.24	47.27 -3.96 -4.66	41.70 -3.23 -5.05	41.66 -3.03 -4.28	50.95 -3.42 -2.60
GELCKHM__115KV_LOAD 80723	36.09 -0.46 -1.20	34.33 -0.44 -1.26	36.98 -0.51 -0.92	37.37 -0.48 -0.69	36.01 -0.46 -0.93	30.40 -0.35 -1.52	34.10 -0.39 -1.66	34.75 -0.46 -2.13	37.11 -0.62 -1.47	37.10 -0.66 -1.28	34.62 -0.58 -3.24	34.66 -0.55 -2.74	37.22 -0.64 -2.42	37.69 -0.61 -2.64	37.52 -0.60 -3.08	41.32 -0.61 -3.50	48.77 -0.77 -4.02	60.11 -0.98 -3.61	48.29 -0.75 -4.74	51.24 -0.86 -4.40	48.97 -0.88 -3.29	42.64 -0.80 -3.56	42.62 -0.81 -3.01	52.22 -1.04 -1.49
GENERAL___MILLS 23808	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.35 -2.82 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.62 -2.56 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.93 -3.36 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.64 -3.23 -3.42	36.19 -3.21 -3.73	36.34 -3.05 -4.36	40.15 -3.23 -4.95	47.34 -3.87 -5.69	57.52 -5.06 -5.10	47.46 -3.54 -6.71	49.82 -4.10 -6.22	47.21 -4.01 -4.65	41.65 -3.27 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60
GE_PLASTICS___DRP 24183	52.67 0.67 -16.64	51.65 0.64 -17.50	50.00 0.69 -12.73	47.43 0.71 -9.56	49.20 0.68 -12.98	50.91 0.56 -21.12	56.47 0.59 -23.04	63.35 0.60 -29.68	57.41 0.73 -20.43	55.05 0.73 -17.85	77.93 0.86 -45.12	71.46 0.88 -38.11	70.02 0.96 -33.62	73.33 0.96 -36.70	78.84 0.98 -42.82	87.97 0.85 -48.69	102.48 1.00 -55.96	108.90 1.26 -50.16	111.19 0.93 -65.96	109.88 1.00 -61.17	93.29 1.02 -45.70	90.27 0.88 -49.51	83.43 1.09 -41.93	73.99 1.45 -20.78
GILBOA___1 23756	49.36 0.85 -13.15	48.25 0.91 -13.83	47.70 1.06 -10.06	45.83 1.11 -7.55	46.76 0.96 -10.26	46.62 0.70 -16.69	51.81 0.79 -18.19	57.34 0.83 -23.43	53.36 0.98 -16.13	51.58 1.02 -14.09	68.43 0.86 -35.62	63.44 0.88 -30.09	62.94 0.96 -26.54	65.56 0.93 -28.98	69.75 0.91 -33.81	77.91 1.04 -38.44	90.84 1.14 -44.18	98.28 1.21 -39.60	97.30 0.93 -52.07	97.24 1.24 -48.30	83.81 1.16 -36.08	80.05 1.08 -39.09	74.61 1.09 -33.10	69.48 1.29 -16.42
GILBOA___2 23757	49.36 0.85 -13.15	48.25 0.91 -13.83	47.70 1.06 -10.06	45.83 1.11 -7.55	46.76 0.96 -10.26	46.62 0.70 -16.69	51.81 0.79 -18.19	57.34 0.83 -23.43	53.36 0.98 -16.13	51.58 1.02 -14.09	68.43 0.86 -35.62	63.44 0.88 -30.09	62.94 0.96 -26.54	65.56 0.93 -28.98	69.75 0.91 -33.81	77.91 1.04 -38.44	90.84 1.14 -44.18	98.28 1.21 -39.60	97.30 0.93 -52.07	97.24 1.24 -48.30	83.81 1.16 -36.08	80.05 1.08 -39.09	74.61 1.09 -33.10	69.48 1.29 -16.42

GILBOA___3 23758	49.36 0.85 -13.15	48.25 0.91 -13.83	47.70 1.06 -10.06	45.83 1.11 -7.55	46.76 0.96 -10.26	46.62 0.70 -16.69	51.81 0.79 -18.19	57.34 0.83 -23.43	53.36 0.98 -16.13	51.58 1.02 -14.09	68.43 0.86 -35.62	63.44 0.88 -30.09	62.94 0.96 -26.54	65.56 0.93 -28.98	69.75 0.91 -33.81	77.91 1.04 -38.44	90.84 1.14 -44.18	98.28 1.21 -39.60	97.30 0.93 -52.07	97.24 1.24 -48.30	83.81 1.16 -36.08	80.05 1.08 -39.09	74.61 1.09 -33.10	69.48 1.29 -16.42
GILBOA___4 23759	49.36 0.85 -13.15	48.25 0.91 -13.83	47.70 1.06 -10.06	45.83 1.11 -7.55	46.76 0.96 -10.26	46.62 0.70 -16.69	51.81 0.79 -18.19	57.34 0.83 -23.43	53.36 0.98 -16.13	51.58 1.02 -14.09	68.43 0.86 -35.62	63.44 0.88 -30.09	62.94 0.96 -26.54	65.56 0.93 -28.98	69.75 0.91 -33.81	77.91 1.04 -38.44	90.84 1.14 -44.18	98.28 1.21 -39.60	97.30 0.93 -52.07	97.24 1.24 -48.30	83.81 1.16 -36.08	80.05 1.08 -39.09	74.61 1.09 -33.10	69.48 1.29 -16.42
GILBOA___ 23599	49.36 0.85 -13.15	48.25 0.90 -13.83	47.70 1.06 -10.06	45.84 1.12 -7.55	46.76 0.96 -10.26	46.62 0.70 -16.69	51.81 0.79 -18.19	57.34 0.83 -23.43	53.36 0.98 -16.13	51.58 1.02 -14.09	68.43 0.86 -35.62	63.44 0.88 -30.09	62.94 0.96 -26.54	65.60 0.96 -28.98	69.79 0.95 -33.81	77.91 1.04 -38.44	90.84 1.14 -44.18	98.34 1.26 -39.60	97.35 0.97 -52.07	97.19 1.19 -48.30	83.86 1.21 -36.08	80.05 1.08 -39.09	74.57 1.05 -33.10	69.48 1.29 -16.42
GINNA___ 23603	34.37 -2.51 -1.52	32.66 -2.44 -1.60	35.03 -2.71 -1.16	35.29 -2.75 -0.87	34.20 -2.52 -1.18	29.05 -2.10 -1.93	32.56 -2.43 -2.16	33.18 -2.68 -2.78	35.13 -3.05 -1.91	35.04 -3.10 -1.67	33.52 -2.65 -4.22	33.34 -2.69 -3.57	35.72 -2.87 -3.15	36.21 -2.89 -3.44	36.24 -2.80 -4.01	39.91 -3.08 -4.56	46.98 -3.78 -5.24	57.34 -4.83 -4.70	46.98 -3.50 -6.18	49.47 -3.96 -5.73	46.94 -3.91 -4.28	41.25 -3.27 -4.64	41.19 -3.15 -3.93	49.99 -3.67 -1.89
GLEN PARK___ 23778	35.32 -0.74 -0.71	33.49 -0.77 -0.75	36.24 -0.88 -0.54	36.68 -0.89 -0.41	35.17 -0.92 -0.55	29.26 -0.88 -0.90	33.03 -0.79 -0.98	33.98 -0.36 -1.27	36.77 -0.36 -0.87	36.90 -0.33 -0.76	33.43 -0.45 -1.92	33.61 -0.49 -1.63	36.42 -0.46 -1.43	36.87 -0.36 -1.57	36.51 -0.35 -1.83	40.20 -0.31 -2.08	48.05 0.14 -2.39	60.13 0.52 -2.14	47.38 0.27 -2.81	50.98 0.67 -2.61	49.22 0.70 -1.95	42.39 0.40 -2.11	42.28 0.08 -1.79	52.55 -0.10 -0.89
GLENDALE_27_KV_LOAD 356172	51.46 2.02 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.15 1.90 -8.09	48.34 1.81 -10.99	48.69 1.58 -17.88	54.17 1.84 -19.49	60.00 1.82 -25.10	55.86 2.32 -17.28	54.05 2.48 -15.10	72.29 2.17 -38.17	66.92 2.21 -32.24	66.36 2.48 -28.44	69.06 2.35 -31.05	73.36 2.10 -36.22	82.12 2.50 -41.19	95.68 2.82 -47.34	103.76 3.85 -42.43	103.11 3.01 -55.79	102.50 3.05 -51.75	88.02 2.79 -38.66	84.19 2.43 -41.88	78.27 2.38 -35.47	72.20 2.85 -17.59
GLENWOOD_IC_1_G5 23712	54.53 2.19 -16.98	50.39 2.04 -14.83	49.40 2.05 -10.78	47.42 2.16 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.62 2.13 -19.65	60.39 2.18 -25.12	56.20 2.65 -17.30	54.27 2.70 -15.10	72.17 2.04 -38.17	66.89 2.18 -32.24	66.12 2.23 -28.44	68.96 2.25 -31.05	73.37 2.10 -36.23	82.33 2.69 -41.21	134.30 3.05 -85.73	167.84 4.08 -106.28	144.31 3.15 -96.86	125.50 3.24 -74.55	125.69 3.12 -76.00	111.57 2.59 -69.10	78.41 2.51 -35.49	72.36 3.00 -17.59
GLENWOOD_IC_2_G1 23688	51.58 2.01 -14.21	50.17 1.84 -14.82	49.22 1.86 -10.78	47.23 1.97 -8.09	48.45 1.92 -10.99	48.78 1.67 -17.88	54.27 1.94 -19.50	60.21 2.02 -25.11	55.97 2.43 -17.28	54.05 2.48 -15.10	72.07 1.95 -38.17	66.73 2.01 -32.24	65.94 2.06 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.05 2.42 -41.20	97.43 2.92 -48.99	106.45 3.79 -45.18	104.88 3.01 -57.56	103.58 3.15 -52.73	89.82 2.98 -40.26	85.41 2.47 -43.05	78.27 2.38 -35.47	72.05 2.69 -17.59
GLENWOOD_IC_3_G1 23689	51.58 2.01 -14.21	50.17 1.84 -14.82	49.22 1.86 -10.78	47.23 1.97 -8.09	48.45 1.92 -10.99	48.78 1.67 -17.88	54.27 1.94 -19.50	60.21 2.02 -25.11	55.97 2.43 -17.28	54.05 2.48 -15.10	72.07 1.95 -38.17	66.73 2.01 -32.24	65.94 2.06 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.05 2.42 -41.20	97.43 2.92 -48.99	106.45 3.79 -45.18	104.88 3.01 -57.56	103.58 3.15 -52.73	89.82 2.98 -40.26	85.41 2.47 -43.05	78.27 2.38 -35.47	72.05 2.69 -17.59
GLENWOOD___4 23550	54.53 2.19 -16.98	50.39 2.04 -14.83	49.40 2.05 -10.78	47.42 2.16 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.62 2.13 -19.65	60.39 2.18 -25.12	56.20 2.65 -17.30	54.27 2.70 -15.10	72.17 2.04 -38.17	66.89 2.18 -32.24	66.12 2.23 -28.44	68.96 2.25 -31.05	73.37 2.10 -36.23	82.33 2.69 -41.21	134.30 3.05 -85.73	167.84 4.08 -106.28	144.31 3.15 -96.86	125.50 3.24 -74.55	125.69 3.12 -76.00	111.57 2.59 -69.10	78.41 2.51 -35.49	72.36 3.00 -17.59
GLENWOOD___5 23614	54.53 2.19 -16.98	50.39 2.04 -14.83	49.40 2.05 -10.78	47.42 2.16 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.62 2.13 -19.65	60.39 2.18 -25.12	56.20 2.65 -17.30	54.27 2.70 -15.10	72.17 2.04 -38.17	66.89 2.18 -32.24	66.12 2.23 -28.44	68.96 2.25 -31.05	73.37 2.10 -36.23	82.33 2.69 -41.21	134.30 3.05 -85.73	167.84 4.08 -106.28	144.31 3.15 -96.86	125.50 3.24 -74.55	125.69 3.12 -76.00	111.57 2.59 -69.10	78.41 2.51 -35.49	72.36 3.00 -17.59
GLOBAL GREEN_PORT_GT1 23814	54.02 2.90 -15.76	51.15 2.82 -14.83	49.77 2.41 -10.78	48.23 2.97 -8.09	49.41 2.88 -10.99	49.66 2.54 -17.89	55.50 3.09 -19.59	61.37 3.18 -25.12	56.77 3.23 -17.29	54.71 3.14 -15.10	71.78 1.66 -38.17	66.73 2.01 -32.24	65.69 1.81 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.75 3.11 -41.21	118.99 3.96 -69.51	141.04 5.00 -78.56	127.76 3.94 -79.52	117.01 4.39 -64.92	111.17 4.38 -60.23	101.11 3.63 -57.60	79.29 3.40 -35.48	73.65 4.29 -17.59
GLOBE___DSASP 323697	34.21 -3.08 -1.93	32.52 -3.02 -2.03	34.76 -3.29 -1.48	34.97 -3.31 -1.11	34.06 -2.99 -1.50	29.28 -2.40 -2.45	31.68 -3.22 -2.06	31.86 -3.87 -2.65	33.70 -4.39 -1.83	33.62 -4.45 -1.60	32.18 -3.80 -4.03	31.94 -3.93 -3.40	34.16 -4.29 -3.00	34.62 -4.32 -3.28	34.69 -4.17 -3.82	38.24 -4.53 -4.35	44.92 -5.60 -4.99	54.42 -7.53 -4.48	44.82 -5.36 -5.89	47.06 -6.11 -5.46	44.64 -6.01 -4.08	39.56 -4.75 -4.42	39.79 -4.36 -3.74	49.57 -4.61 -2.41
GOETHSLN___LBMP 323567	51.28 1.84 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	46.97 1.71 -8.09	48.20 1.67 -10.99	48.60 1.49 -17.88	54.13 1.81 -19.49	60.00 1.82 -25.10	55.82 2.28 -17.28	53.98 2.41 -15.10	72.16 2.04 -38.16	66.69 1.98 -32.24	65.94 2.06 -28.44	66.43 1.96 -28.81	66.37 1.75 -29.58	67.34 2.08 -26.83	69.56 2.32 -21.71	77.49 3.16 -16.85	76.84 2.48 -30.06	76.34 2.53 -26.11	67.21 2.33 -18.31	67.26 1.99 -25.38	67.22 1.86 -24.95	66.44 2.23 -12.45
GOLAH___69_KV_TB 1_2 80279	35.57 -1.38 -1.59	33.77 -1.41 -1.67	36.22 -1.57 -1.21	36.52 -1.56 -0.91	35.43 -1.35 -1.24	30.13 -1.11 -2.01	33.59 -1.44 -2.20	34.06 -1.85 -2.83	36.10 -2.10 -1.95	36.02 -2.15 -1.70	34.43 -1.82 -4.30	34.25 -1.85 -3.63	36.63 -2.02 -3.21	37.06 -2.10 -3.50	37.09 -2.03 -4.08	40.88 -2.19 -4.64	48.26 -2.59 -5.34	58.81 -3.45 -4.78	48.24 -2.35 -6.29	50.82 -2.72 -5.83	48.18 -2.75 -4.36	42.49 -2.11 -4.72	42.47 -1.94 -4.00	51.83 -1.92 -1.98

GOODYEAR_LAKE_HYD 323669	40.83 1.34 -4.13	39.16 1.31 -4.34	41.12 1.39 -3.16	40.95 1.41 -2.37	40.08 1.32 -3.22	35.49 1.02 -5.24	39.73 1.21 -5.68	41.85 1.46 -7.31	42.96 1.67 -5.03	42.44 1.57 -4.40	44.32 1.25 -11.12	43.10 1.23 -9.39	45.08 1.35 -8.29	46.06 1.36 -9.05	46.92 1.33 -10.55	52.16 1.73 -12.00	61.45 2.14 -13.79	72.65 2.82 -12.36	62.64 2.08 -16.26	65.12 2.34 -15.08	60.07 2.24 -11.26	53.92 1.83 -12.20	52.40 1.66 -10.33	58.78 1.86 -5.15
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	39.67 0.00 -4.31	38.04 0.00 -4.53	39.87 0.00 -3.30	39.68 0.04 -2.48	38.94 0.04 -3.36	34.76 0.06 -5.47	38.77 0.07 -5.87	40.74 0.10 -7.56	41.54 0.07 -5.21	41.02 0.00 -4.55	43.42 -0.03 -11.50	42.15 -0.03 -9.71	43.98 -0.04 -8.57	45.02 0.00 -9.35	45.95 0.00 -10.91	50.99 0.15 -12.41	60.01 0.23 -14.26	70.60 0.34 -12.78	61.37 0.27 -16.81	63.53 0.24 -15.59	58.40 0.19 -11.65	52.58 0.08 -12.62	51.10 0.00 -10.69	57.10 -0.05 -5.38
GOUDEY___7 23579	39.67 0.00 -4.31	38.04 0.00 -4.53	39.87 0.00 -3.30	39.68 0.04 -2.48	38.94 0.04 -3.36	34.76 0.06 -5.47	38.77 0.07 -5.87	40.74 0.10 -7.56	41.54 0.07 -5.21	41.02 0.00 -4.55	43.42 -0.03 -11.50	42.15 -0.03 -9.71	43.98 -0.04 -8.57	45.02 0.00 -9.35	45.95 0.00 -10.91	50.99 0.15 -12.41	60.01 0.23 -14.26	70.60 0.34 -12.78	61.37 0.27 -16.81	63.53 0.24 -15.59	58.40 0.19 -11.65	52.58 0.08 -12.62	51.10 0.00 -10.69	57.10 -0.05 -5.38
GOUDEY___8 23580	39.67 0.00 -4.31	38.04 0.00 -4.53	39.87 0.00 -3.30	39.68 0.04 -2.48	38.94 0.04 -3.36	34.76 0.06 -5.47	38.77 0.07 -5.87	40.74 0.10 -7.56	41.54 0.07 -5.21	41.02 0.00 -4.55	43.42 -0.03 -11.50	42.15 -0.03 -9.71	43.98 -0.04 -8.57	45.02 0.00 -9.35	45.95 0.00 -10.91	50.99 0.15 -12.41	60.01 0.23 -14.26	70.60 0.34 -12.78	61.37 0.27 -16.81	63.53 0.24 -15.59	58.40 0.19 -11.65	52.58 0.08 -12.62	51.10 0.00 -10.69	57.10 -0.05 -5.38
GOWANUS_GT1_1 24077	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_2 24078	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_3 24079	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_4 24080	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_5 24084	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_6 24111	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_7 24112	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT1_8 24113	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GOWANUS_GT2_1 24114	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT2_2 24115	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT2_3 24116	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59

GOWANUS_GT2_4 24117	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT2_5 24118	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT2_6 24119	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT2_7 24120	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT2_8 24121	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_1 24122	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_2 24123	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_3 24124	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_4 24125	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_5 24126	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_6 24127	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_7 24128	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT3_8 24129	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
GOWANUS_GT4_1 24130	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GOWANUS_GT4_2 24131	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59

GOWANUS_GT4_3 24132	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GOWANUS_GT4_4 24133	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GOWANUS_GT4_5 24134	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GOWANUS_GT4_6 24135	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GOWANUS_GT4_7 24136	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GOWANUS_GT4_8 24137	51.39 1.94 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.33 2.07 -36.22	75.76 2.42 -34.91	78.62 2.50 -30.59	86.68 3.51 -25.70	84.50 2.75 -37.45	83.89 2.77 -33.42	73.99 2.51 -24.90	74.13 2.23 -32.02	78.06 2.18 -35.47	71.94 2.59 -17.59
GREENBSH_115KV_TB3 55895	52.60 0.53 -16.71	51.59 0.50 -17.57	49.91 0.55 -12.79	47.29 0.52 -9.60	49.11 0.53 -13.04	50.88 0.44 -21.21	56.43 0.46 -23.14	63.31 0.43 -29.80	57.32 0.54 -20.51	54.98 0.58 -17.92	78.12 0.86 -45.31	71.65 0.91 -38.27	70.20 0.99 -33.76	73.52 1.00 -36.86	79.02 0.98 -43.00	88.02 0.69 -48.90	102.54 0.82 -56.20	108.88 1.03 -50.37	111.29 0.75 -66.24	109.95 0.81 -61.43	93.25 0.79 -45.89	90.32 0.72 -49.72	83.57 1.05 -42.11	74.13 1.50 -20.87
GREENIDGE_115KV_TB5 80291	37.44 -0.50 -2.58	35.76 -0.47 -2.71	38.00 -0.55 -1.98	38.13 -0.52 -1.48	37.13 -0.43 -2.01	32.24 -0.26 -3.28	35.96 -0.33 -3.45	37.20 -0.33 -4.45	38.81 -0.51 -3.06	38.42 -0.73 -2.68	38.04 -0.67 -6.76	37.50 -0.68 -5.71	39.74 -0.74 -5.04	40.41 -0.75 -5.50	40.79 -0.67 -6.42	45.27 -0.46 -7.30	53.22 -0.68 -8.39	64.30 -0.69 -7.52	53.70 -0.49 -9.88	56.16 -0.72 -9.17	52.58 -0.84 -6.85	46.78 -0.52 -7.42	46.09 -0.61 -6.28	53.85 -1.14 -3.22
GREENIDGE___3 23582	37.44 -0.50 -2.58	35.76 -0.47 -2.71	38.00 -0.55 -1.98	38.13 -0.52 -1.48	37.13 -0.43 -2.01	32.24 -0.26 -3.28	35.96 -0.33 -3.45	37.20 -0.33 -4.45	38.81 -0.51 -3.06	38.42 -0.73 -2.68	38.04 -0.67 -6.76	37.50 -0.68 -5.71	39.74 -0.74 -5.04	40.41 -0.75 -5.50	40.79 -0.67 -6.42	45.27 -0.46 -7.30	53.22 -0.68 -8.39	64.30 -0.69 -7.52	53.70 -0.49 -9.88	56.16 -0.72 -9.17	52.58 -0.84 -6.85	46.78 -0.52 -7.42	46.09 -0.61 -6.28	53.85 -1.14 -3.22
GREENIDGE___4 23583	37.44 -0.50 -2.58	35.76 -0.47 -2.71	38.04 -0.51 -1.98	38.13 -0.52 -1.48	37.13 -0.42 -2.01	32.24 -0.26 -3.28	35.96 -0.33 -3.45	37.20 -0.33 -4.45	38.81 -0.51 -3.06	38.42 -0.73 -2.68	38.04 -0.67 -6.76	37.50 -0.68 -5.71	39.74 -0.75 -5.04	40.41 -0.75 -5.50	40.82 -0.63 -6.42	45.27 -0.46 -7.30	53.13 -0.77 -8.39	64.24 -0.75 -7.52	53.65 -0.53 -9.88	56.11 -0.77 -9.17	52.58 -0.84 -6.85	46.70 -0.60 -7.42	46.09 -0.61 -6.28	53.90 -1.09 -3.22
GREENLWN_69_KV_BK 3 55738	53.74 2.58 -15.80	50.75 2.41 -14.83	49.77 2.41 -10.78	47.82 2.56 -8.09	49.06 2.52 -10.99	49.34 2.22 -17.89	54.95 2.53 -19.59	60.82 2.61 -25.12	56.60 3.05 -17.29	54.67 3.10 -15.10	72.29 2.17 -38.17	67.08 2.37 -32.24	66.30 2.41 -28.44	69.17 2.46 -31.05	73.58 2.31 -36.23	82.75 3.11 -41.21	119.10 3.55 -70.03	141.51 4.60 -79.43	127.92 3.54 -80.07	116.66 3.72 -65.23	110.89 3.59 -60.73	100.85 2.99 -57.97	78.85 2.95 -35.49	72.88 3.52 -17.59
GREENWD_138_KV_38B11_REV_LBMP_J 345004	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
GRISSOM___SOLAR 323813	56.04 2.30 -18.39	55.02 2.18 -19.33	52.95 2.31 -14.07	50.00 2.27 -10.56	52.16 2.28 -14.34	54.47 1.90 -23.34	60.41 2.13 -25.45	68.00 2.15 -32.77	61.28 2.47 -22.56	58.30 2.11 -19.71	83.43 1.66 -49.82	76.15 1.59 -42.09	74.31 1.74 -37.12	77.97 1.78 -40.53	84.15 1.82 -47.29	94.74 2.54 -53.77	110.69 3.37 -61.80	117.29 4.43 -55.39	120.55 3.41 -72.83	118.93 3.67 -67.55	100.53 3.49 -50.46	97.46 2.91 -54.67	89.46 2.75 -46.30	78.09 3.36 -22.96
GROVEVILLE___HYD 323602	51.50 2.02 -14.13	50.22 1.84 -14.86	49.29 1.90 -10.81	47.25 1.97 -8.12	48.48 1.92 -11.02	48.83 1.67 -17.94	54.29 1.90 -19.56	60.28 2.02 -25.18	55.99 2.39 -17.33	54.02 2.41 -15.15	72.25 2.01 -38.29	66.83 2.01 -32.34	66.17 2.20 -28.53	68.98 2.18 -31.15	73.48 2.10 -36.34	82.33 2.57 -41.32	96.06 3.05 -47.49	104.06 4.02 -42.57	103.42 3.15 -55.97	102.81 3.20 -51.91	88.42 3.07 -38.78	84.49 2.59 -42.01	78.42 2.42 -35.58	72.21 2.80 -17.65
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.26 -1.02	37.67 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.26 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.65 -0.36 -4.49	61.04 -0.46 -4.03	49.24 -0.35 -5.29	52.19 -0.43 -4.91	49.77 -0.47 -3.67	43.38 -0.48 -3.97	43.25 -0.53 -3.37	52.71 -0.72 -1.67

HAMLTNNY_34_KV_TB 80303	36.53 -0.25 -1.42	34.77 -0.23 -1.49	37.37 -0.29 -1.09	37.72 -0.26 -0.82	36.40 -0.25 -1.11	30.89 -0.15 -1.80	34.63 -0.16 -1.97	35.41 -0.20 -2.53	37.67 -0.33 -1.74	37.59 -0.40 -1.52	35.45 -0.35 -3.85	35.36 -0.36 -3.25	37.92 -0.39 -2.87	38.40 -0.39 -3.13	38.34 -0.35 -3.65	42.27 -0.31 -4.15	49.93 -0.36 -4.77	61.29 -0.46 -4.28	49.57 -0.35 -5.62	52.49 -0.43 -5.22	49.96 -0.51 -3.90	43.63 -0.48 -4.22	43.46 -0.53 -3.58	52.86 -0.67 -1.77
HAMPSHIRE___PAPER_HYD 323593	34.14 -1.63 -0.41	32.37 -1.57 -0.43	35.36 -1.53 -0.32	35.62 -1.78 -0.24	34.09 -1.78 -0.32	28.03 -1.72 -0.52	31.76 -1.64 -0.57	32.66 -1.16 -0.74	35.64 -1.12 -0.51	36.00 -0.91 -0.44	32.14 -0.93 -1.12	32.47 -0.94 -0.95	35.39 -0.88 -0.83	35.79 -0.78 -0.91	35.26 -0.84 -1.06	38.68 -0.96 -1.21	46.54 -0.37 -1.39	58.49 -0.23 -1.24	45.54 -0.40 -1.64	49.17 -0.05 -1.52	48.03 0.33 -1.13	41.23 0.12 -1.23	41.41 -0.04 -1.04	52.59 0.31 -0.52
HARDSCRABBLE_WT_PWR 323673	35.71 0.35 0.00	33.85 0.34 0.00	37.01 0.44 0.00	37.69 0.52 0.00	36.08 0.53 0.00	29.67 0.44 0.00	33.29 0.46 0.00	33.68 0.60 0.00	36.95 0.69 0.00	37.24 0.77 0.00	32.65 0.70 0.00	33.22 0.75 0.00	36.22 0.78 0.00	36.41 0.75 0.00	35.77 0.74 0.00	39.24 0.81 0.00	46.48 0.96 0.00	58.62 1.15 0.00	45.10 0.80 0.00	48.56 0.86 0.00	47.36 0.79 0.00	40.64 0.76 0.00	41.18 0.77 0.00	52.80 1.03 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	50.41 1.73 -13.32	49.06 1.54 -14.01	48.38 1.61 -10.19	46.45 1.64 -7.65	47.53 1.60 -10.39	47.54 1.40 -16.91	52.91 1.64 -18.43	58.54 1.72 -23.74	54.66 2.07 -16.34	52.86 2.12 -14.28	69.76 1.73 -36.09	64.64 1.69 -30.48	64.18 1.84 -26.89	66.84 1.82 -29.36	71.04 1.75 -34.25	79.49 2.11 -38.95	92.74 2.46 -44.76	100.87 3.28 -40.12	99.58 2.53 -52.76	99.26 2.62 -48.93	85.59 2.47 -36.55	81.59 2.11 -39.60	75.89 1.94 -33.54	70.68 2.28 -16.63
HARSNRAD_115KV_TB1 81005	34.57 -2.69 -1.90	32.83 -2.68 -2.00	35.10 -2.93 -1.45	35.36 -2.90 -1.09	34.43 -2.59 -1.48	29.57 -2.08 -2.41	32.21 -2.79 -2.16	32.56 -3.31 -2.78	34.41 -3.77 -1.92	34.28 -3.87 -1.68	32.89 -3.29 -4.23	32.64 -3.41 -3.58	34.88 -3.72 -3.15	35.40 -3.71 -3.44	35.44 -3.61 -4.02	39.15 -3.84 -4.57	46.08 -4.69 -5.25	55.86 -6.32 -4.70	46.05 -4.43 -6.18	48.38 -5.06 -5.74	45.83 -5.03 -4.29	40.54 -3.99 -4.64	40.71 -3.64 -3.93	50.25 -3.88 -2.37
HARZA MOOSE___RIVER 24016	35.63 -0.18 -0.45	33.79 -0.20 -0.48	36.74 -0.18 -0.35	37.20 -0.22 -0.26	35.61 -0.28 -0.35	29.51 -0.29 -0.58	33.26 -0.20 -0.63	33.99 0.10 -0.81	37.00 0.18 -0.56	37.14 0.18 -0.49	33.27 0.10 -1.23	33.61 0.10 -1.04	36.50 0.14 -0.92	36.84 0.18 -1.00	36.38 0.18 -1.17	39.99 0.23 -1.33	47.64 0.59 -1.52	59.82 0.98 -1.37	46.72 0.62 -1.80	50.52 1.14 -1.67	48.98 1.16 -1.24	42.07 0.84 -1.35	42.24 0.69 -1.14	53.11 0.78 -0.57
HDSNBRDG_115KV_BRDG_TB1 355580	36.15 -0.42 -1.21	34.39 -0.40 -1.28	37.03 -0.48 -0.93	37.38 -0.48 -0.70	36.06 -0.43 -0.95	30.45 -0.32 -1.54	34.12 -0.39 -1.68	34.81 -0.43 -2.16	37.17 -0.58 -1.49	37.12 -0.66 -1.30	34.70 -0.54 -3.29	34.70 -0.55 -2.78	37.29 -0.60 -2.45	37.73 -0.61 -2.68	37.60 -0.56 -3.12	41.37 -0.61 -3.55	48.87 -0.73 -4.08	60.21 -0.92 -3.66	48.40 -0.71 -4.81	51.35 -0.81 -4.46	49.07 -0.84 -3.33	42.74 -0.76 -3.61	42.66 -0.81 -3.06	52.25 -1.04 -1.52
HELLGATE_13_KV_LD 55870	51.35 1.91 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.68 2.14 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.14 2.26 -35.47	72.10 2.74 -17.59
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	51.35 1.91 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.68 2.14 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.14 2.26 -35.47	72.10 2.74 -17.59
HEMPSTEAD____ 23647	54.06 2.12 -16.58	50.32 1.98 -14.83	49.29 1.94 -10.78	47.41 2.15 -8.09	48.59 2.06 -10.99	48.94 1.81 -17.89	54.53 2.07 -19.63	60.35 2.15 -25.12	56.13 2.57 -17.30	54.20 2.63 -15.10	71.94 1.82 -38.17	66.70 1.98 -32.24	65.84 1.95 -28.44	68.67 1.96 -31.05	73.09 1.82 -36.23	82.14 2.50 -41.21	128.97 3.00 -80.45	158.57 3.85 -97.25	138.57 3.05 -91.21	122.32 3.20 -71.42	120.46 3.03 -70.86	107.75 2.51 -65.35	78.37 2.47 -35.49	72.15 2.79 -17.59
HEWLETT_69_KV_BK3 55828	54.55 2.40 -16.79	50.59 2.25 -14.83	49.62 2.27 -10.78	47.68 2.42 -8.09	48.91 2.38 -10.99	49.20 2.08 -17.90	54.84 2.36 -19.64	60.62 2.41 -25.12	56.46 2.90 -17.30	54.53 2.95 -15.10	72.17 2.04 -38.17	66.96 2.24 -32.24	66.16 2.27 -28.44	69.03 2.32 -31.05	73.44 2.17 -36.23	82.52 2.88 -41.21	131.94 3.19 -83.24	165.24 4.14 -103.62	141.69 3.19 -94.20	124.16 3.39 -73.07	123.36 3.21 -73.57	110.01 2.79 -67.33	78.65 2.75 -35.49	72.62 3.26 -17.59
HICKLING___1 23621	37.62 -1.06 -3.33	36.01 -1.01 -3.50	38.02 -1.10 -2.55	38.00 -1.08 -1.91	37.18 -0.96 -2.60	32.72 -0.73 -4.22	36.40 -0.85 -4.42	38.02 -0.76 -5.70	39.24 -0.94 -3.92	38.73 -1.17 -3.43	39.56 -1.05 -8.66	38.71 -1.07 -7.32	40.73 -1.17 -6.45	41.57 -1.14 -7.05	42.21 -1.05 -8.22	46.89 -0.88 -9.35	55.35 -0.91 -10.74	66.07 -1.03 -9.63	56.16 -0.80 -12.66	58.49 -0.95 -11.74	54.37 -0.98 -8.77	48.43 -0.96 -9.50	47.41 -1.05 -8.05	54.52 -1.40 -4.16
HICKLING___2 23622	37.62 -1.06 -3.33	36.01 -1.01 -3.50	38.02 -1.10 -2.55	38.00 -1.08 -1.91	37.18 -0.96 -2.60	32.72 -0.73 -4.22	36.40 -0.85 -4.42	38.02 -0.76 -5.70	39.24 -0.94 -3.92	38.73 -1.17 -3.43	39.56 -1.05 -8.66	38.71 -1.07 -7.32	40.73 -1.17 -6.45	41.57 -1.14 -7.05	42.21 -1.05 -8.22	46.89 -0.88 -9.35	55.35 -0.91 -10.74	66.07 -1.03 -9.63	56.16 -0.80 -12.66	58.49 -0.95 -11.74	54.37 -0.98 -8.77	48.43 -0.96 -9.50	47.41 -1.05 -8.05	54.52 -1.40 -4.16
HIGH FALLS___HY 23754	51.31 2.05 -13.90	49.97 1.84 -14.62	49.11 1.90 -10.64	47.16 2.01 -7.98	48.34 1.95 -10.84	48.57 1.70 -17.64	54.04 1.97 -19.23	59.97 2.12 -24.77	55.77 2.47 -17.05	53.81 2.44 -14.90	71.53 1.92 -37.66	66.16 1.88 -31.81	65.53 2.02 -28.06	68.29 2.00 -30.64	72.74 1.96 -35.74	81.61 2.54 -40.64	95.28 3.05 -46.71	103.54 4.20 -41.87	102.59 3.23 -55.05	102.10 3.34 -51.06	87.93 3.21 -38.14	83.88 2.67 -41.32	77.75 2.34 -35.00	71.71 2.59 -17.36
HIGH_RIVER___SOLAR 323847	54.68 1.52 -17.80	53.67 1.44 -18.72	51.73 1.54 -13.62	48.92 1.52 -10.22	50.92 1.49 -13.89	53.08 1.26 -22.60	58.89 1.41 -24.65	66.25 1.42 -31.75	59.67 1.56 -21.85	56.80 1.24 -19.09	81.11 0.89 -48.26	74.12 0.88 -40.77	72.37 0.96 -35.96	75.92 1.00 -39.26	81.90 1.05 -45.81	92.13 1.61 -52.09	107.57 2.18 -59.86	113.95 2.82 -53.66	117.03 2.17 -70.56	115.48 2.34 -65.44	97.69 2.24 -48.88	94.72 1.87 -52.96	87.04 1.78 -44.85	76.17 2.17 -22.23

HILLBURN___GT 23639	50.54 1.66 -13.52	49.20 1.47 -14.21	48.42 1.50 -10.34	46.53 1.60 -7.76	47.61 1.53 -10.54	47.73 1.35 -17.16	53.15 1.61 -18.70	58.82 1.65 -24.09	54.87 2.03 -16.58	53.04 2.08 -14.49	70.29 1.72 -36.62	65.09 1.69 -30.94	64.47 1.74 -27.29	67.13 1.68 -29.79	71.37 1.58 -34.76	79.91 1.96 -39.52	93.35 2.41 -45.42	101.40 3.22 -40.71	100.36 2.52 -53.54	99.98 2.62 -49.65	86.13 2.47 -37.09	82.10 2.03 -40.18	76.34 1.90 -34.03	70.72 2.07 -16.88
HILLSIDE_115KV_TB1 80332	37.39 -1.41 -3.45	35.77 -1.37 -3.63	37.75 -1.46 -2.64	37.66 -1.49 -1.98	36.88 -1.35 -2.69	32.56 -1.05 -4.38	36.19 -1.25 -4.61	37.89 -1.12 -5.93	39.00 -1.34 -4.08	38.54 -1.50 -3.57	39.66 -1.31 -9.02	38.76 -1.33 -7.62	40.71 -1.45 -6.72	41.53 -1.46 -7.33	42.23 -1.37 -8.56	46.85 -1.31 -9.73	55.25 -1.46 -11.18	65.77 -1.72 -10.02	56.15 -1.33 -13.18	58.45 -1.48 -12.22	54.17 -1.54 -9.13	48.38 -1.40 -9.89	47.30 -1.50 -8.38	54.06 -2.02 -4.31
HISHELDN_WT_PWR 323625	35.02 -2.62 -2.28	33.33 -2.58 -2.39	35.57 -2.74 -1.74	35.72 -2.75 -1.31	34.90 -2.42 -1.77	30.19 -1.93 -2.89	33.08 -2.43 -2.68	33.85 -2.68 -3.45	35.55 -3.08 -2.38	35.27 -3.28 -2.08	34.35 -2.84 -5.24	33.95 -2.95 -4.43	36.13 -3.23 -3.91	36.75 -3.17 -4.27	37.00 -3.01 -4.98	40.90 -3.19 -5.66	48.15 -3.87 -6.50	58.48 -4.83 -5.83	48.42 -3.55 -7.66	50.81 -4.01 -7.11	48.02 -3.86 -5.31	42.41 -3.23 -5.75	42.38 -2.91 -4.87	51.35 -3.26 -2.84
HOLTSVILLE_IC_1 23690	53.59 2.47 -15.76	50.72 2.38 -14.83	49.51 2.16 -10.78	47.82 2.56 -8.09	48.95 2.42 -10.99	49.25 2.13 -17.89	54.98 2.56 -19.59	60.81 2.61 -25.12	56.38 2.83 -17.29	54.38 2.81 -15.10	71.91 1.79 -38.17	66.73 2.01 -32.24	65.80 1.91 -28.44	68.75 2.03 -31.05	73.19 1.93 -36.23	82.48 2.84 -41.20	118.64 3.64 -69.47	140.57 4.60 -78.49	127.41 3.63 -79.48	116.52 3.91 -64.90	110.53 3.77 -60.19	100.53 3.07 -57.57	78.77 2.87 -35.48	72.67 3.32 -17.59
HOLTSVILLE_IC_10 23699	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.16 2.63 -10.99	49.43 2.31 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.07 1.95 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.93 2.21 -31.05	73.40 2.14 -36.23	82.75 3.11 -41.21	119.17 4.01 -69.64	141.31 5.06 -78.78	127.94 3.99 -79.65	117.00 4.30 -65.00	111.02 4.10 -60.35	100.92 3.35 -57.69	79.05 3.15 -35.48	72.98 3.62 -17.59
HOLTSVILLE_IC_2 23691	53.59 2.47 -15.76	50.72 2.38 -14.83	49.51 2.16 -10.78	47.82 2.56 -8.09	48.95 2.42 -10.99	49.25 2.13 -17.89	54.98 2.56 -19.59	60.81 2.61 -25.12	56.38 2.83 -17.29	54.38 2.81 -15.10	71.91 1.79 -38.17	66.73 2.01 -32.24	65.80 1.91 -28.44	68.75 2.03 -31.05	73.19 1.93 -36.23	82.48 2.84 -41.20	118.64 3.64 -69.47	140.57 4.60 -78.49	127.41 3.63 -79.48	116.52 3.91 -64.90	110.53 3.77 -60.19	100.53 3.07 -57.57	78.77 2.87 -35.48	72.67 3.32 -17.59
HOLTSVILLE_IC_3 23692	53.59 2.47 -15.76	50.72 2.38 -14.83	49.51 2.16 -10.78	47.82 2.56 -8.09	48.95 2.42 -10.99	49.25 2.13 -17.89	54.98 2.56 -19.59	60.81 2.61 -25.12	56.38 2.83 -17.29	54.38 2.81 -15.10	71.91 1.79 -38.17	66.73 2.01 -32.24	65.80 1.91 -28.44	68.75 2.03 -31.05	73.19 1.93 -36.23	82.48 2.84 -41.20	118.64 3.64 -69.47	140.57 4.60 -78.49	127.41 3.63 -79.48	116.52 3.91 -64.90	110.53 3.77 -60.19	100.53 3.07 -57.57	78.77 2.87 -35.48	72.67 3.32 -17.59
HOLTSVILLE_IC_4 23693	53.59 2.47 -15.76	50.72 2.38 -14.83	49.51 2.16 -10.78	47.82 2.56 -8.09	48.95 2.42 -10.99	49.25 2.13 -17.89	54.98 2.56 -19.59	60.81 2.61 -25.12	56.38 2.83 -17.29	54.38 2.81 -15.10	71.91 1.79 -38.17	66.73 2.01 -32.24	65.80 1.91 -28.44	68.75 2.03 -31.05	73.19 1.93 -36.23	82.48 2.84 -41.20	118.64 3.64 -69.47	140.57 4.60 -78.49	127.41 3.63 -79.48	116.52 3.91 -64.90	110.53 3.77 -60.19	100.53 3.07 -57.57	78.77 2.87 -35.48	72.67 3.32 -17.59
HOLTSVILLE_IC_5 23694	53.59 2.47 -15.76	50.72 2.38 -14.83	49.51 2.16 -10.78	47.82 2.56 -8.09	48.95 2.42 -10.99	49.25 2.13 -17.89	54.98 2.56 -19.59	60.81 2.61 -25.12	56.38 2.83 -17.29	54.38 2.81 -15.10	71.91 1.79 -38.17	66.73 2.01 -32.24	65.80 1.91 -28.44	68.75 2.03 -31.05	73.19 1.93 -36.23	82.48 2.84 -41.20	118.64 3.64 -69.47	140.57 4.60 -78.49	127.41 3.63 -79.48	116.52 3.91 -64.90	110.53 3.77 -60.19	100.53 3.07 -57.57	78.77 2.87 -35.48	72.67 3.32 -17.59
HOLTSVILLE_IC_6 23695	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.16 2.63 -10.99	49.43 2.31 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.07 1.95 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.93 2.21 -31.05	73.40 2.14 -36.23	82.75 3.11 -41.21	119.17 4.01 -69.64	141.31 5.06 -78.78	127.94 3.99 -79.65	117.00 4.30 -65.00	111.02 4.10 -60.35	100.92 3.35 -57.69	79.05 3.15 -35.48	72.98 3.62 -17.59
HOLTSVILLE_IC_7 23696	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.16 2.63 -10.99	49.43 2.31 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.07 1.95 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.93 2.21 -31.05	73.40 2.14 -36.23	82.75 3.11 -41.21	119.17 4.01 -69.64	141.31 5.06 -78.78	127.94 3.99 -79.65	117.00 4.30 -65.00	111.02 4.10 -60.35	100.92 3.35 -57.69	79.05 3.15 -35.48	72.98 3.62 -17.59
HOLTSVILLE_IC_8 23697	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.16 2.63 -10.99	49.43 2.31 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.07 1.95 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.93 2.21 -31.05	73.40 2.14 -36.23	82.75 3.11 -41.21	119.17 4.01 -69.64	141.31 5.06 -78.78	127.94 3.99 -79.65	117.00 4.30 -65.00	111.02 4.10 -60.35	100.92 3.35 -57.69	79.05 3.15 -35.48	72.98 3.62 -17.59
HOLTSVILLE_IC_9 23698	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.16 2.63 -10.99	49.43 2.31 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.07 1.95 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.93 2.21 -31.05	73.40 2.14 -36.23	82.75 3.11 -41.21	119.17 4.01 -69.64	141.31 5.06 -78.78	127.94 3.99 -79.65	117.00 4.30 -65.00	111.02 4.10 -60.35	100.92 3.35 -57.69	79.05 3.15 -35.48	72.98 3.62 -17.59
HOMER_HL_115KV_TB2 355744	34.05 -3.64 -2.33	32.44 -3.52 -2.45	34.52 -3.84 -1.78	34.68 -3.83 -1.34	33.84 -3.52 -1.82	29.35 -2.84 -2.96	32.38 -3.22 -2.77	33.89 -2.75 -3.56	35.66 -3.05 -2.45	35.37 -3.25 -2.14	34.55 -2.81 -5.41	34.18 -2.86 -4.57	36.32 -3.15 -4.03	36.92 -3.14 -4.40	37.19 -2.98 -5.13	41.23 -3.04 -5.84	48.95 -3.28 -6.71	59.70 -3.79 -6.01	49.24 -2.97 -7.91	51.74 -3.29 -7.33	48.84 -3.21 -5.48	42.79 -3.03 -5.93	42.04 -3.39 -5.03	49.81 -4.87 -2.91
HOWARD_WT_PWR 323690	36.41 -1.66 -2.72	34.83 -1.54 -2.86	37.05 -1.61 -2.08	37.13 -1.60 -1.56	36.31 -1.35 -2.12	31.66 -1.02 -3.45	35.13 -1.21 -3.51	36.38 -1.22 -4.52	37.85 -1.52 -3.12	37.37 -1.82 -2.72	37.13 -1.69 -6.88	36.53 -1.75 -5.81	38.66 -1.91 -5.13	39.40 -1.86 -5.60	39.88 -1.68 -6.53	44.35 -1.50 -7.42	52.46 -1.59 -8.53	63.34 -1.78 -7.65	52.98 -1.37 -10.05	55.36 -1.67 -9.32	51.86 -1.67 -6.97	45.91 -1.52 -7.55	45.35 -1.45 -6.39	53.35 -1.81 -3.39

HQ_GEN_CEDARS 23644	33.60 -1.98 -0.23	31.84 -1.91 -0.24	35.07 -1.68 -0.17	35.14 -2.16 -0.13	33.59 -2.13 -0.18	27.33 -2.19 -0.29	31.05 -2.10 -0.31	31.93 -1.55 -0.40	35.09 -1.45 -0.28	35.66 -1.06 -0.24	31.48 -1.09 -0.61	31.95 -1.04 -0.52	34.98 -0.92 -0.46	35.34 -0.82 -0.50	34.67 -0.95 -0.58	37.94 -1.15 -0.66	45.83 -0.46 -0.76	57.93 -0.23 -0.68	44.71 -0.49 -0.90	48.20 -0.33 -0.83	47.47 0.28 -0.62	40.52 -0.04 -0.67	41.06 0.08 -0.57	53.03 0.98 -0.28
HQ_GEN_CEDARS_PROXY 323590	33.60 -1.98 -0.23	31.84 -1.91 -0.24	35.03 -1.72 -0.17	35.14 -2.16 -0.13	33.59 -2.13 -0.18	27.33 -2.19 -0.29	31.04 -2.10 -0.31	31.93 -1.55 -0.40	35.09 -1.45 -0.28	35.66 -1.06 -0.24	31.48 -1.09 -0.61	31.95 -1.04 -0.52	34.98 -0.92 -0.46	35.34 -0.82 -0.50	34.68 -0.94 -0.58	37.94 -1.15 -0.66	45.92 -0.37 -0.76	57.82 -0.34 -0.68	44.62 -0.58 -0.90	48.06 -0.48 -0.83	47.33 0.14 -0.62	40.60 0.04 -0.67	41.06 0.08 -0.57	53.03 0.98 -0.28
HQ_GEN_IMPORT 323601	35.36 0.00 0.00	33.51 0.00 0.00	36.57 0.00 0.00	37.17 0.00 0.00	35.54 0.00 0.00	29.23 0.00 0.00	32.83 0.00 0.00	33.08 0.00 0.00	36.26 0.00 0.00	36.47 0.00 0.00	31.95 0.00 0.00	32.47 0.00 0.00	35.45 0.00 0.00	35.66 0.00 0.00	35.04 0.00 0.00	38.43 0.00 0.00	45.52 0.00 0.00	57.48 0.00 0.00	44.30 0.00 0.00	47.70 0.00 0.00	46.57 0.00 0.00	39.88 0.00 0.00	40.41 0.00 0.00	51.76 0.00 0.00
HQ_GEN_WHEEL 23651	35.36 0.00 0.00	33.51 0.00 0.00	36.57 0.00 0.00	37.17 0.00 0.00	35.54 0.00 0.00	29.23 0.00 0.00	32.83 0.00 0.00	33.08 0.00 0.00	36.26 0.00 0.00	36.47 0.00 0.00	31.95 0.00 0.00	32.47 0.00 0.00	35.45 0.00 0.00	35.66 0.00 0.00	35.04 0.00 0.00	38.43 0.00 0.00	45.52 0.00 0.00	57.48 0.00 0.00	44.30 0.00 0.00	47.70 0.00 0.00	46.57 0.00 0.00	39.88 0.00 0.00	40.41 0.00 0.00	51.76 0.00 0.00
HUDSON_AVE_GT_3 23810	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.72 1.61 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.09 2.52 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.95 2.25 -31.05	73.29 2.03 -36.22	82.00 2.38 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
HUDSON_AVE_GT_4 23540	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.72 1.61 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.09 2.52 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.95 2.25 -31.05	73.29 2.03 -36.22	82.00 2.38 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
HUDSON_AVE_GT_5 23657	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.72 1.61 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.09 2.52 -15.10	72.25 2.14 -38.16	66.85 2.14 -32.24	66.19 2.30 -28.44	68.95 2.25 -31.05	73.29 2.03 -36.22	82.00 2.38 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.65	84.07 2.31 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59
HUDSON_AVE_10 24168	51.32 1.87 -14.09	50.00 1.68 -14.81	49.03 1.68 -10.78	47.00 1.75 -8.09	48.20 1.67 -10.99	48.63 1.52 -17.88	54.16 1.84 -19.49	60.04 1.85 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.19 2.08 -38.16	66.79 2.08 -32.24	66.12 2.23 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.50 2.64 -47.34	104.06 3.62 -42.97	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.65	83.99 2.23 -41.88	77.98 2.10 -35.47	71.79 2.43 -17.59
HUDSON___115KV_TB 4 355613	52.83 1.13 -16.34	51.77 1.07 -17.19	50.21 1.13 -12.51	47.63 1.08 -9.39	49.43 1.14 -12.75	50.94 0.96 -20.74	56.51 1.05 -22.63	63.12 0.89 -29.14	57.33 1.02 -20.06	54.91 0.91 -17.53	77.25 0.99 -44.31	70.91 1.01 -37.43	69.60 1.13 -33.02	72.85 1.14 -36.05	78.32 1.23 -42.05	87.44 1.19 -47.82	102.03 1.55 -54.96	108.80 2.07 -49.26	110.62 1.55 -64.77	109.40 1.62 -60.08	93.03 1.58 -44.88	89.82 1.32 -48.62	83.13 1.54 -41.18	74.19 2.02 -20.41
HUNTER MOUNT___DRP 323613	52.47 1.17 -15.95	51.39 1.11 -16.77	49.95 1.17 -12.20	47.44 1.12 -9.16	49.15 1.17 -12.44	50.46 0.99 -20.24	56.00 1.08 -22.08	62.54 1.03 -28.44	56.96 1.12 -19.57	54.52 0.95 -17.10	76.17 0.99 -43.23	70.00 1.01 -36.52	68.79 1.13 -32.21	72.01 1.18 -35.17	77.36 1.30 -41.03	86.39 1.31 -46.66	100.92 1.78 -53.62	107.95 2.41 -48.06	109.31 1.82 -63.20	108.18 1.86 -58.62	92.22 1.86 -43.79	88.83 1.52 -47.44	82.33 1.74 -40.18	73.90 2.23 -19.91
HUNTINGTON_RES_REC 323705	53.79 2.65 -15.78	50.85 2.51 -14.83	49.77 2.41 -10.78	47.97 2.71 -8.09	49.13 2.59 -10.99	49.40 2.28 -17.89	55.08 2.66 -19.59	60.91 2.71 -25.12	56.60 3.05 -17.29	54.64 3.06 -15.10	72.20 2.08 -38.17	67.02 2.31 -32.24	66.12 2.23 -28.44	69.07 2.35 -31.05	73.51 2.24 -36.23	82.75 3.11 -41.21	119.17 3.92 -69.73	141.34 4.94 -78.93	127.95 3.90 -79.75	116.91 4.15 -65.05	111.01 4.01 -60.44	100.91 3.27 -57.76	79.05 3.15 -35.49	72.98 3.62 -17.59
HUNTLEY___63 23557	34.85 -2.48 -1.96	33.10 -2.48 -2.06	35.37 -2.71 -1.50	35.62 -2.68 -1.13	34.69 -2.38 -1.53	29.82 -1.90 -2.49	32.42 -2.59 -2.19	32.82 -3.08 -2.81	34.72 -3.48 -1.94	34.55 -3.61 -1.69	33.16 -3.07 -4.27	32.90 -3.18 -3.61	35.16 -3.47 -3.19	35.68 -3.46 -3.48	35.77 -3.33 -4.06	39.51 -3.54 -4.61	46.50 -4.32 -5.30	56.42 -5.81 -4.75	46.47 -4.08 -6.25	48.82 -4.67 -5.79	46.29 -4.61 -4.33	40.90 -3.67 -4.69	41.03 -3.35 -3.97	50.70 -3.52 -2.45
HUNTLEY___64 23558	34.85 -2.48 -1.96	33.10 -2.48 -2.06	35.37 -2.71 -1.50	35.62 -2.68 -1.13	34.69 -2.38 -1.53	29.82 -1.90 -2.49	32.42 -2.59 -2.19	32.82 -3.08 -2.81	34.72 -3.48 -1.94	34.55 -3.61 -1.69	33.16 -3.07 -4.27	32.90 -3.18 -3.61	35.16 -3.47 -3.19	35.68 -3.46 -3.48	35.77 -3.33 -4.06	39.51 -3.54 -4.61	46.50 -4.32 -5.30	56.42 -5.81 -4.75	46.47 -4.08 -6.25	48.82 -4.67 -5.79	46.29 -4.61 -4.33	40.90 -3.67 -4.69	41.03 -3.35 -3.97	50.70 -3.52 -2.45
HUNTLEY___65 23559	34.85 -2.48 -1.96	33.10 -2.48 -2.06	35.37 -2.71 -1.50	35.62 -2.68 -1.13	34.69 -2.38 -1.53	29.82 -1.90 -2.49	32.42 -2.59 -2.19	32.82 -3.08 -2.81	34.72 -3.48 -1.94	34.55 -3.61 -1.69	33.16 -3.07 -4.27	32.90 -3.18 -3.61	35.16 -3.47 -3.19	35.68 -3.46 -3.48	35.77 -3.33 -4.06	39.51 -3.54 -4.61	46.50 -4.32 -5.30	56.42 -5.81 -4.75	46.47 -4.08 -6.25	48.82 -4.67 -5.79	46.29 -4.61 -4.33	40.90 -3.67 -4.69	41.03 -3.35 -3.97	50.70 -3.52 -2.45
HUNTLEY___66 23560	34.85 -2.48 -1.96	33.10 -2.48 -2.06	35.37 -2.71 -1.50	35.62 -2.68 -1.13	34.69 -2.38 -1.53	29.82 -1.90 -2.49	32.42 -2.59 -2.19	32.82 -3.08 -2.81	34.72 -3.48 -1.94	34.55 -3.61 -1.69	33.16 -3.07 -4.27	32.90 -3.18 -3.61	35.16 -3.47 -3.19	35.68 -3.46 -3.48	35.77 -3.33 -4.06	39.51 -3.54 -4.61	46.50 -4.32 -5.30	56.42 -5.81 -4.75	46.47 -4.08 -6.25	48.82 -4.67 -5.79	46.29 -4.61 -4.33	40.90 -3.67 -4.69	41.03 -3.35 -3.97	50.70 -3.52 -2.45

HUNTLEY___67 23561	34.67 -2.69 -2.00	32.94 -2.68 -2.11	35.18 -2.93 -1.53	35.42 -2.90 -1.15	34.51 -2.59 -1.56	29.70 -2.08 -2.54	32.29 -2.73 -2.18	32.68 -3.21 -2.81	34.57 -3.63 -1.94	34.44 -3.72 -1.69	33.05 -3.16 -4.27	32.80 -3.28 -3.61	35.05 -3.58 -3.18	35.53 -3.53 -3.47	35.62 -3.47 -4.05	39.31 -3.73 -4.61	46.31 -4.51 -5.29	56.24 -5.98 -4.74	46.28 -4.25 -6.24	48.62 -4.87 -5.78	46.10 -4.80 -4.32	40.74 -3.83 -4.68	40.86 -3.52 -3.97	50.49 -3.78 -2.50
HUNTLEY___68 23562	34.67 -2.69 -2.00	32.94 -2.68 -2.11	35.18 -2.93 -1.53	35.42 -2.90 -1.15	34.51 -2.59 -1.56	29.70 -2.08 -2.54	32.29 -2.73 -2.18	32.68 -3.21 -2.81	34.57 -3.63 -1.94	34.44 -3.72 -1.69	33.05 -3.16 -4.27	32.80 -3.28 -3.61	35.05 -3.58 -3.18	35.53 -3.53 -3.47	35.62 -3.47 -4.05	39.31 -3.73 -4.61	46.31 -4.51 -5.29	56.24 -5.98 -4.74	46.28 -4.25 -6.24	48.62 -4.87 -5.78	46.10 -4.80 -4.32	40.74 -3.83 -4.68	40.86 -3.52 -3.97	50.49 -3.78 -2.50
HYLAND___LFGE 323620	37.56 -0.04 -2.24	35.70 -0.17 -2.35	38.10 -0.18 -1.71	38.31 -0.15 -1.29	37.32 0.04 -1.75	32.07 0.00 -2.84	35.85 0.07 -2.95	36.95 0.07 -3.80	38.69 -0.18 -2.62	38.10 -0.66 -2.29	36.89 -0.83 -5.78	36.41 -0.94 -4.88	38.79 -0.96 -4.30	39.36 -1.00 -4.70	39.68 -0.84 -5.48	44.28 -0.38 -6.23	52.82 0.14 -7.16	64.41 0.52 -6.42	53.45 0.71 -8.44	56.11 0.57 -7.83	52.79 0.37 -5.85	46.50 0.28 -6.34	46.02 0.24 -5.37	55.02 0.46 -2.79
INDECK___CORINTH 23802	54.98 2.37 -17.25	53.90 2.25 -18.14	52.15 2.38 -13.20	49.42 2.34 -9.91	51.38 2.38 -13.46	53.12 1.99 -21.90	58.99 2.26 -23.89	66.13 2.28 -30.77	60.12 2.68 -21.18	57.53 2.55 -18.50	79.91 1.18 -46.78	73.09 1.10 -39.51	71.57 1.27 -34.86	74.89 1.18 -38.05	80.56 1.12 -44.40	90.41 1.50 -50.48	105.45 1.91 -58.02	112.07 2.59 -52.00	114.63 1.95 -68.38	113.13 2.00 -63.42	95.86 1.91 -47.38	92.73 1.52 -51.33	85.42 1.54 -43.47	75.28 1.97 -21.54
INDECK___ILION 23567	35.71 0.35 0.00	33.85 0.34 0.00	36.94 0.37 0.00	37.58 0.41 0.00	35.93 0.39 0.00	29.52 0.29 0.00	33.16 0.33 0.00	33.51 0.43 0.00	36.77 0.51 0.00	37.02 0.55 0.00	32.43 0.48 0.00	32.99 0.52 0.00	36.01 0.57 0.00	36.20 0.53 0.00	35.56 0.53 0.00	39.01 0.58 0.00	46.25 0.73 0.00	58.40 0.92 0.00	44.96 0.66 0.00	48.42 0.72 0.00	47.27 0.70 0.00	40.52 0.64 0.00	41.06 0.65 0.00	52.59 0.83 0.00
INDECK___OLEAN 23982	34.05 -3.64 -2.33	32.44 -3.52 -2.45	34.55 -3.80 -1.78	34.68 -3.83 -1.34	33.84 -3.52 -1.82	29.35 -2.83 -2.96	32.38 -3.22 -2.77	33.89 -2.75 -3.56	35.66 -3.05 -2.45	35.37 -3.25 -2.14	34.51 -2.84 -5.41	34.18 -2.86 -4.57	36.25 -3.23 -4.03	36.82 -3.24 -4.40	37.09 -3.08 -5.13	41.16 -3.11 -5.84	48.91 -3.32 -6.71	59.58 -3.91 -6.01	49.10 -3.10 -7.91	51.65 -3.39 -7.33	48.70 -3.35 -5.48	42.67 -3.15 -5.93	42.04 -3.39 -5.03	49.86 -4.81 -2.91
INDECK___OSWEGO 23783	35.56 -0.81 -1.02	33.81 -0.77 -1.07	36.51 -0.84 -0.78	36.90 -0.85 -0.58	35.52 -0.82 -0.79	29.88 -0.64 -1.29	33.52 -0.72 -1.41	34.10 -0.79 -1.81	36.53 -0.98 -1.25	36.54 -1.02 -1.09	33.81 -0.89 -2.76	33.89 -0.91 -2.33	36.51 -0.99 -2.05	36.94 -0.96 -2.24	36.71 -0.94 -2.62	40.33 -1.08 -2.97	47.62 -1.32 -3.42	58.87 -1.67 -3.06	47.04 -1.29 -4.03	50.06 -1.38 -3.74	48.01 -1.35 -2.79	41.71 -1.20 -3.02	41.72 -1.25 -2.56	51.43 -1.61 -1.27
INDECK___YERKES 23781	34.88 -2.44 -1.96	33.10 -2.48 -2.06	35.41 -2.67 -1.50	35.62 -2.68 -1.13	34.73 -2.35 -1.53	29.82 -1.90 -2.49	32.46 -2.56 -2.19	32.85 -3.04 -2.81	34.72 -3.48 -1.94	34.59 -3.57 -1.69	33.19 -3.04 -4.27	32.93 -3.15 -3.61	35.26 -3.37 -3.19	35.79 -3.35 -3.48	35.91 -3.19 -4.06	39.51 -3.53 -4.61	46.27 -4.55 -5.30	56.54 -5.69 -4.75	46.43 -4.12 -6.25	48.73 -4.77 -5.79	46.29 -4.61 -4.33	40.78 -3.79 -4.69	41.07 -3.31 -3.97	50.75 -3.47 -2.45
INDIAN POINT_GT_1 24139	51.02 1.70 -13.97	49.74 1.54 -14.69	48.84 1.57 -10.69	46.83 1.64 -8.02	48.00 1.56 -10.90	48.34 1.37 -17.73	53.81 1.64 -19.33	59.66 1.69 -24.90	55.46 2.07 -17.14	53.60 2.15 -14.97	71.62 1.82 -37.85	66.23 1.79 -31.97	65.56 1.91 -28.20	68.34 1.89 -30.79	72.71 1.75 -35.92	81.39 2.11 -40.85	94.88 2.41 -46.94	102.77 3.22 -42.08	102.11 2.48 -55.33	101.60 2.58 -51.32	87.33 2.42 -38.33	83.45 2.03 -41.53	77.48 1.90 -35.17	71.43 2.23 -17.44
INDIAN POINT_GT_2 23659	51.02 1.70 -13.97	49.74 1.54 -14.69	48.84 1.57 -10.69	46.83 1.64 -8.02	48.00 1.56 -10.90	48.34 1.37 -17.73	53.81 1.64 -19.33	59.66 1.69 -24.90	55.46 2.07 -17.14	53.60 2.15 -14.97	71.62 1.82 -37.85	66.23 1.79 -31.97	65.56 1.91 -28.20	68.34 1.89 -30.79	72.71 1.75 -35.92	81.39 2.11 -40.85	94.88 2.41 -46.94	102.77 3.22 -42.08	102.11 2.48 -55.33	101.60 2.58 -51.32	87.33 2.42 -38.33	83.45 2.03 -41.53	77.48 1.90 -35.17	71.43 2.23 -17.44
INDIAN POINT_GT_3 24019	51.02 1.70 -13.97	49.74 1.54 -14.69	48.84 1.57 -10.69	46.83 1.64 -8.02	48.00 1.56 -10.90	48.34 1.37 -17.73	53.81 1.64 -19.33	59.66 1.69 -24.90	55.46 2.07 -17.14	53.60 2.15 -14.97	71.62 1.82 -37.85	66.23 1.79 -31.97	65.56 1.91 -28.20	68.34 1.89 -30.79	72.71 1.75 -35.92	81.39 2.11 -40.85	94.88 2.41 -46.94	102.77 3.22 -42.08	102.11 2.48 -55.33	101.60 2.58 -51.32	87.33 2.42 -38.33	83.45 2.03 -41.53	77.48 1.90 -35.17	71.43 2.23 -17.44
INDIAN POINT___2 23530	50.84 1.66 -13.82	49.52 1.47 -14.53	48.65 1.50 -10.57	46.70 1.60 -7.94	47.85 1.53 -10.78	48.12 1.35 -17.54	53.56 1.61 -19.12	59.36 1.65 -24.63	55.24 2.03 -16.95	53.36 2.08 -14.81	71.15 1.76 -37.44	65.82 1.72 -31.63	65.11 1.77 -27.90	67.83 1.71 -30.46	72.18 1.61 -35.54	80.83 2.00 -40.41	94.42 2.46 -46.44	102.32 3.22 -41.62	101.60 2.57 -54.73	101.09 2.62 -50.76	86.96 2.47 -37.92	83.04 2.07 -41.08	77.15 1.94 -34.79	71.14 2.12 -17.26
INDIAN POINT___3 23531	50.99 1.66 -13.98	49.72 1.51 -14.70	48.80 1.54 -10.69	46.79 1.60 -8.03	48.01 1.56 -10.90	48.34 1.37 -17.74	53.78 1.61 -19.34	59.64 1.65 -24.90	55.43 2.03 -17.14	53.56 2.12 -14.98	71.57 1.76 -37.86	66.17 1.72 -31.98	65.54 1.88 -28.21	68.28 1.82 -30.80	72.69 1.72 -35.94	81.33 2.04 -40.86	94.76 2.28 -46.96	102.61 3.05 -42.09	102.04 2.39 -55.35	101.47 2.43 -51.34	87.25 2.33 -38.35	83.38 1.95 -41.55	77.42 1.82 -35.19	71.39 2.17 -17.45
INGHAM_C_115KV_TB7 356103	35.96 0.60 0.00	34.12 0.60 0.00	37.27 0.69 0.00	37.91 0.74 0.00	36.29 0.75 0.00	29.84 0.61 0.00	33.49 0.66 0.00	33.84 0.76 0.00	37.16 0.91 0.00	37.42 0.95 0.00	32.84 0.89 0.00	33.38 0.91 0.00	36.44 0.99 0.00	36.62 0.96 0.00	35.98 0.95 0.00	39.47 1.04 0.00	46.70 1.18 0.00	58.97 1.49 0.00	45.36 1.06 0.00	48.85 1.14 0.00	47.64 1.07 0.00	40.92 1.04 0.00	41.46 1.05 0.00	53.16 1.40 0.00
IP CORINTH___1 23988	54.98 2.37 -17.25	53.90 2.25 -18.14	52.15 2.38 -13.20	49.42 2.34 -9.91	51.38 2.38 -13.46	53.12 1.99 -21.90	58.99 2.27 -23.89	66.13 2.28 -30.77	60.12 2.68 -21.18	57.53 2.55 -18.50	80.07 1.34 -46.78	73.25 1.27 -39.51	71.75 1.45 -34.86	75.07 1.36 -38.05	80.73 1.30 -44.40	90.60 1.69 -50.48	105.73 2.19 -58.02	112.41 2.93 -52.00	114.90 2.21 -68.38	113.47 2.34 -63.42	96.14 2.19 -47.38	92.97 1.75 -51.33	85.66 1.78 -43.47	75.54 2.23 -21.54

IP___TICONDEROGA 23804	56.48 3.89 -17.24	55.32 3.69 -18.12	53.68 3.91 -13.19	50.90 3.83 -9.90	52.90 3.91 -13.44	54.44 3.33 -21.88	60.48 3.78 -23.87	67.59 3.77 -30.74	61.84 4.42 -21.16	59.19 4.23 -18.48	81.52 2.84 -46.73	74.74 2.79 -39.47	73.42 3.15 -34.82	76.67 3.00 -38.01	82.30 2.91 -44.35	92.47 3.61 -50.43	108.12 4.64 -57.96	115.52 6.09 -51.95	117.26 4.65 -68.31	115.97 4.91 -63.36	98.60 4.70 -47.33	94.91 3.75 -51.27	87.52 3.68 -43.43	77.89 4.61 -21.52
ISLIP_RES_REC 323679	54.00 2.86 -15.78	51.09 2.75 -14.83	49.84 2.49 -10.78	48.16 2.90 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.70 3.15 -17.29	54.71 3.14 -15.10	72.17 2.05 -38.17	67.02 2.31 -32.24	66.09 2.20 -28.44	69.03 2.32 -31.05	73.54 2.28 -36.23	82.90 3.26 -41.21	119.50 4.23 -69.74	141.84 5.40 -78.96	128.32 4.25 -79.76	117.30 4.53 -65.06	111.40 4.38 -60.45	101.20 3.55 -57.77	79.21 3.31 -35.48	73.19 3.83 -17.59
JAMAICA__27_KV_LOAD 355505	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.75 1.64 -17.88	54.36 2.04 -19.49	60.17 1.98 -25.10	56.08 2.54 -17.28	54.23 2.66 -15.10	72.35 2.24 -38.16	66.98 2.27 -32.24	66.33 2.45 -28.44	69.10 2.39 -31.05	73.40 2.14 -36.22	82.19 2.57 -41.19	95.82 2.96 -47.34	104.66 4.08 -43.10	103.28 3.19 -55.79	102.69 3.24 -51.75	88.21 2.98 -38.65	84.23 2.47 -41.88	78.14 2.26 -35.47	71.94 2.59 -17.59
JANIS___SOLAR 323808	40.44 1.48 -3.60	38.71 1.41 -3.79	40.79 1.46 -2.75	40.76 1.52 -2.07	39.74 1.38 -2.81	34.97 1.17 -4.57	39.19 1.44 -4.92	41.17 1.75 -6.33	42.39 1.78 -4.36	41.78 1.50 -3.81	42.73 1.15 -9.63	41.77 1.17 -8.13	43.93 1.31 -7.18	44.85 1.35 -7.83	45.65 1.47 -9.14	50.71 1.88 -10.39	60.10 2.64 -11.94	71.75 3.56 -10.71	61.03 2.66 -14.08	63.57 2.81 -13.06	58.93 2.61 -9.75	52.44 1.99 -10.57	51.10 1.74 -8.95	58.28 2.02 -4.50
JARVIS____ 23743	35.39 0.04 0.00	33.55 0.03 0.00	36.61 0.04 0.00	37.20 0.04 0.00	35.58 0.04 0.00	29.23 0.00 0.00	32.83 0.00 0.00	33.11 0.03 0.00	36.33 0.07 0.00	36.54 0.07 0.00	32.01 0.06 0.00	32.53 0.07 0.00	35.55 0.11 0.00	35.77 0.11 0.00	35.14 0.11 0.00	38.51 0.08 0.00	45.66 0.14 0.00	57.65 0.17 0.00	44.39 0.09 0.00	47.85 0.14 0.00	46.71 0.14 0.00	40.04 0.16 0.00	40.57 0.16 0.00	51.97 0.21 0.00
JENNISON___1 23625	41.81 1.80 -4.65	40.11 1.71 -4.89	41.93 1.79 -3.56	41.73 1.90 -2.67	40.88 1.71 -3.63	36.51 1.37 -5.90	40.88 1.67 -6.37	43.37 2.08 -8.21	44.19 2.28 -5.65	43.52 2.12 -4.94	46.12 1.69 -12.48	44.73 1.72 -10.54	46.62 1.88 -9.30	47.74 1.93 -10.15	48.84 1.96 -11.84	54.28 2.38 -13.47	64.09 3.10 -15.48	75.49 4.14 -13.87	65.60 3.06 -18.24	68.01 3.39 -16.92	62.42 3.21 -12.64	56.13 2.55 -13.69	54.27 2.26 -11.60	60.11 2.54 -5.81
JENNISON___2 23626	41.81 1.80 -4.65	40.11 1.71 -4.89	41.93 1.79 -3.56	41.73 1.90 -2.67	40.88 1.71 -3.63	36.51 1.37 -5.90	40.88 1.67 -6.37	43.37 2.08 -8.21	44.19 2.28 -5.65	43.52 2.12 -4.94	46.12 1.69 -12.48	44.73 1.72 -10.54	46.62 1.88 -9.30	47.74 1.93 -10.15	48.84 1.96 -11.84	54.28 2.38 -13.47	64.09 3.10 -15.48	75.49 4.14 -13.87	65.60 3.06 -18.24	68.01 3.39 -16.92	62.42 3.21 -12.64	56.13 2.55 -13.69	54.27 2.26 -11.60	60.11 2.54 -5.81
JERICHO_RISE_WT_PWR 323719	32.88 -2.48 0.00	31.17 -2.35 0.00	34.42 -2.16 0.00	34.53 -2.64 0.00	32.95 -2.59 0.00	26.69 -2.54 0.00	30.34 -2.50 0.00	31.13 -1.95 0.00	34.37 -1.89 0.00	35.05 -1.42 0.00	30.51 -1.44 0.00	31.07 -1.40 0.00	34.20 -1.24 0.00	34.52 -1.14 0.00	33.81 -1.23 0.00	37.01 -1.42 0.00	44.93 -0.59 0.00	56.90 -0.57 0.00	43.46 -0.84 0.00	46.94 -0.77 0.00	46.48 -0.09 0.00	39.72 -0.16 0.00	40.37 -0.04 0.00	52.70 0.93 0.00
KATONAH___115KV_46KV_TB4 355592	51.60 2.02 -14.23	50.32 1.84 -14.96	49.36 1.90 -10.89	47.27 1.93 -8.17	48.56 1.92 -11.10	48.96 1.67 -18.06	54.46 1.94 -19.69	60.49 2.05 -25.36	56.22 2.50 -17.46	54.31 2.59 -15.25	72.68 2.17 -38.55	67.21 2.18 -32.57	66.55 2.37 -28.73	69.34 2.32 -31.36	73.84 2.21 -36.59	82.65 2.61 -41.61	96.39 3.05 -47.82	104.42 4.08 -42.86	103.80 3.15 -56.36	103.22 3.24 -52.27	88.69 3.07 -39.05	84.78 2.59 -42.30	78.58 2.34 -35.83	72.28 2.74 -17.77
KCE_NY_1 323755	54.48 1.91 -17.21	53.38 1.77 -18.10	51.64 1.90 -13.17	48.95 1.89 -9.88	50.85 1.88 -13.42	52.65 1.58 -21.84	58.44 1.77 -23.83	65.55 1.79 -30.69	59.48 2.10 -21.12	56.93 2.00 -18.46	80.08 1.47 -46.66	73.35 1.46 -39.41	71.88 1.67 -34.77	75.26 1.64 -37.96	80.93 1.61 -44.28	90.70 1.92 -50.35	105.76 2.37 -57.87	112.45 3.10 -51.87	114.85 2.35 -68.21	113.45 2.48 -63.26	96.25 2.42 -47.26	93.07 1.99 -51.20	85.75 1.98 -43.36	75.79 2.54 -21.49
KCE_NY_6_ESR 323823	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.39 -2.78 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.65 -2.53 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.94 -3.35 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.68 -3.19 -3.42	36.22 -3.17 -3.73	36.38 -3.01 -4.36	40.12 -3.27 -4.95	47.16 -4.05 -5.69	57.58 -5.00 -5.10	47.33 -3.68 -6.71	49.73 -4.20 -6.22	47.12 -4.10 -4.65	41.53 -3.39 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60
KEDC_PORT_JEFF_GT2 24210	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.20 2.67 -10.99	49.46 2.34 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.10 1.98 -38.17	66.92 2.21 -32.24	65.98 2.09 -28.44	68.96 2.25 -31.05	73.44 2.17 -36.23	82.79 3.15 -41.21	119.12 4.01 -69.59	141.23 5.06 -78.69	127.89 3.99 -79.60	116.97 4.30 -64.97	111.02 4.14 -60.30	100.89 3.35 -57.66	79.05 3.15 -35.48	72.98 3.62 -17.59
KEDC_PORT_JEFF_GT3 24211	53.85 2.72 -15.77	50.95 2.62 -14.83	49.73 2.38 -10.78	48.05 2.79 -8.09	49.20 2.67 -10.99	49.46 2.34 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.60 3.05 -17.29	54.60 3.03 -15.10	72.10 1.98 -38.17	66.92 2.21 -32.24	65.98 2.09 -28.44	68.96 2.25 -31.05	73.44 2.17 -36.23	82.79 3.15 -41.21	119.12 4.01 -69.59	141.23 5.06 -78.69	127.89 3.99 -79.60	116.97 4.30 -64.97	111.02 4.14 -60.30	100.89 3.35 -57.66	79.05 3.15 -35.48	72.98 3.62 -17.59
KEDC_GLWD_GT4 24219	54.53 2.19 -16.98	50.39 2.04 -14.83	49.40 2.05 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.62 2.13 -19.65	60.42 2.22 -25.12	56.20 2.65 -17.30	54.27 2.70 -15.10	72.17 2.05 -38.17	66.89 2.18 -32.24	66.09 2.20 -28.44	68.89 2.18 -31.05	73.30 2.03 -36.23	82.26 2.61 -41.21	134.43 3.19 -85.73	167.90 4.14 -106.28	144.44 3.28 -96.86	125.64 3.39 -74.55	125.78 3.21 -76.00	111.65 2.67 -69.10	78.49 2.59 -35.49	72.36 3.00 -17.59
KEDC_GLWD_GT5 24220	54.53 2.19 -16.98	50.39 2.04 -14.83	49.40 2.05 -10.78	47.45 2.19 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.62 2.13 -19.65	60.42 2.22 -25.12	56.20 2.65 -17.30	54.27 2.70 -15.10	72.17 2.05 -38.17	66.89 2.18 -32.24	66.09 2.20 -28.44	68.89 2.18 -31.05	73.30 2.03 -36.23	82.26 2.61 -41.21	134.43 3.19 -85.73	167.90 4.14 -106.28	144.44 3.28 -96.86	125.64 3.39 -74.55	125.78 3.21 -76.00	111.65 2.67 -69.10	78.49 2.59 -35.49	72.36 3.00 -17.59

KENSICO____ 23655	51.22 1.80 -14.06	49.91 1.61 -14.79	48.98 1.65 -10.76	46.95 1.71 -8.08	48.18 1.67 -10.97	48.54 1.46 -17.85	54.03 1.74 -19.46	59.93 1.79 -25.06	55.68 2.18 -17.25	53.80 2.26 -15.07	71.96 1.92 -38.10	66.57 1.92 -32.18	65.89 2.06 -28.39	68.65 2.00 -30.99	73.05 1.86 -36.16	81.77 2.23 -41.12	95.32 2.55 -47.25	103.22 3.39 -42.35	102.65 2.66 -55.69	102.08 2.72 -51.66	87.72 2.56 -38.59	83.88 2.19 -41.80	77.84 2.02 -35.41	71.76 2.43 -17.56
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	50.62 2.02 -13.25	49.29 1.84 -13.93	48.61 1.90 -10.14	46.75 1.97 -7.61	47.80 1.92 -10.33	47.71 1.67 -16.81	53.10 1.94 -18.33	58.77 2.08 -23.61	54.90 2.39 -16.25	53.04 2.37 -14.20	69.69 1.85 -35.89	64.61 1.82 -30.32	64.17 1.98 -26.74	66.82 1.96 -29.20	71.06 1.96 -34.06	79.66 2.50 -38.73	93.04 3.00 -44.51	101.51 4.14 -39.90	99.96 3.19 -52.47	99.66 3.29 -48.66	86.09 3.17 -36.35	81.90 2.63 -39.38	76.11 2.34 -33.35	70.95 2.64 -16.54
KIAC_JFK_GT1 23816	51.18 1.73 -14.09	49.87 1.54 -14.81	48.89 1.54 -10.78	46.86 1.60 -8.09	48.09 1.56 -10.99	48.57 1.46 -17.88	54.13 1.81 -19.49	59.84 1.65 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.05 1.79 -36.22	81.81 2.19 -41.19	95.36 2.50 -47.34	104.02 3.45 -43.10	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.65	83.83 2.07 -41.88	77.74 1.86 -35.47	71.42 2.07 -17.59
KIAC_JFK_GT2 23817	51.18 1.73 -14.09	49.87 1.54 -14.81	48.89 1.54 -10.78	46.86 1.60 -8.09	48.09 1.56 -10.99	48.57 1.46 -17.88	54.13 1.81 -19.49	59.84 1.65 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.97 2.09 -28.44	68.74 2.03 -31.05	73.05 1.79 -36.22	81.81 2.19 -41.19	95.36 2.50 -47.34	104.02 3.45 -43.10	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.65	83.83 2.07 -41.88	77.74 1.86 -35.47	71.42 2.07 -17.59
KIAC_JFK____ 323774	51.18 1.73 -14.09	49.87 1.54 -14.81	48.89 1.54 -10.78	46.89 1.63 -8.09	48.09 1.56 -10.99	48.57 1.46 -17.88	54.13 1.80 -19.49	59.84 1.65 -25.10	55.82 2.29 -17.28	53.98 2.41 -15.10	72.06 1.95 -38.16	66.66 1.95 -32.24	65.87 1.98 -28.44	68.56 1.85 -31.05	72.94 1.68 -36.22	81.73 2.11 -41.19	95.45 2.59 -47.34	104.14 3.56 -43.10	102.93 2.84 -55.79	102.36 2.91 -51.75	87.83 2.61 -38.65	83.91 2.15 -41.88	77.86 1.98 -35.47	71.32 1.97 -17.59
KINTIGH____ 23543	34.96 -2.12 -1.73	33.21 -2.11 -1.81	35.59 -2.30 -1.32	35.85 -2.30 -0.99	34.86 -2.03 -1.35	29.75 -1.67 -2.19	33.26 -2.23 -2.66	33.67 -2.84 -3.43	35.36 -3.26 -2.36	35.25 -3.28 -2.06	34.36 -2.81 -5.22	33.99 -2.89 -4.41	36.18 -3.15 -3.89	36.73 -3.17 -4.25	36.91 -3.08 -4.95	40.72 -3.34 -5.63	47.85 -4.14 -6.48	57.59 -5.69 -5.80	47.94 -3.99 -7.63	50.20 -4.58 -7.08	47.34 -4.52 -5.29	42.10 -3.51 -5.73	42.11 -3.15 -4.85	50.81 -3.11 -2.15
KNTFSRNC_46_KV_46KV_LOAD 80397	33.55 -1.80 0.00	31.77 -1.74 0.00	35.15 -1.43 0.00	35.20 -1.97 0.00	33.62 -1.92 0.00	27.24 -1.99 0.00	30.99 -1.84 0.00	31.86 -1.22 0.00	35.17 -1.09 0.00	35.81 -0.66 0.00	31.21 -0.73 0.00	31.76 -0.71 0.00	35.02 -0.43 0.00	35.27 -0.39 0.00	34.62 -0.42 0.00	37.93 -0.50 0.00	46.02 0.50 0.00	58.51 1.03 0.00	44.74 0.44 0.00	48.32 0.62 0.00	47.88 1.30 0.00	40.64 0.76 0.00	41.30 0.89 0.00	53.89 2.12 0.00
LACHUTE____HYDRO 323717	56.48 3.89 -17.24	55.32 3.69 -18.12	53.68 3.92 -13.19	50.90 3.83 -9.90	52.90 3.91 -13.44	54.44 3.33 -21.88	60.47 3.77 -23.87	67.59 3.77 -30.74	61.84 4.42 -21.16	59.18 4.23 -18.48	81.52 2.84 -46.73	74.74 2.79 -39.47	73.42 3.15 -34.82	76.70 3.03 -38.01	82.29 2.91 -44.35	92.47 3.61 -50.43	108.07 4.60 -57.96	115.51 6.09 -51.95	117.22 4.61 -68.31	115.93 4.87 -63.36	98.56 4.66 -47.33	94.87 3.71 -51.27	87.48 3.64 -43.43	77.89 4.61 -21.52
LAWRNCALV_115KV_TB1 80681	33.65 -1.98 -0.28	31.93 -1.88 -0.29	35.10 -1.68 -0.21	35.17 -2.16 -0.16	33.63 -2.13 -0.22	27.42 -2.16 -0.35	31.15 -2.07 -0.38	32.12 -1.46 -0.49	35.26 -1.34 -0.34	35.78 -0.98 -0.30	31.68 -1.02 -0.75	32.13 -0.97 -0.63	35.15 -0.85 -0.56	35.49 -0.78 -0.61	34.87 -0.88 -0.71	38.16 -1.08 -0.81	46.13 -0.32 -0.93	58.31 0.00 -0.83	45.08 -0.31 -1.10	48.62 -0.10 -1.02	47.84 0.51 -0.76	40.83 0.12 -0.82	41.27 0.16 -0.70	53.09 0.98 -0.35
LEDERLE____ 23769	50.74 1.73 -13.65	49.44 1.58 -14.36	48.63 1.61 -10.45	46.68 1.67 -7.84	47.83 1.63 -10.65	47.99 1.43 -17.33	53.40 1.67 -18.89	59.13 1.72 -24.33	55.11 2.10 -16.75	53.29 2.19 -14.63	70.73 1.79 -36.99	65.47 1.75 -31.25	64.89 1.88 -27.56	67.61 1.85 -30.09	71.90 1.75 -35.11	80.39 2.04 -39.92	93.68 2.28 -45.88	101.70 3.10 -41.12	100.77 2.39 -54.08	100.34 2.48 -50.16	86.37 2.33 -37.47	82.47 1.99 -40.59	76.65 1.86 -34.38	71.04 2.23 -17.05
LIGHTHSE_115KV_TB6 355974	35.66 -0.64 -0.94	33.87 -0.64 -0.99	36.60 -0.69 -0.72	37.00 -0.71 -0.54	35.60 -0.68 -0.74	29.87 -0.56 -1.20	33.51 -0.62 -1.31	34.20 -0.56 -1.68	36.73 -0.69 -1.16	36.83 -0.66 -1.01	33.90 -0.61 -2.56	34.01 -0.62 -2.16	36.68 -0.67 -1.90	37.10 -0.64 -2.08	36.83 -0.63 -2.43	40.50 -0.69 -2.76	48.01 -0.68 -3.17	59.45 -0.86 -2.84	47.33 -0.71 -3.74	50.50 -0.67 -3.47	48.55 -0.61 -2.59	42.13 -0.56 -2.80	42.10 -0.69 -2.38	52.01 -0.93 -1.18
LINDEN COGEN____ 23786	51.28 1.84 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	46.97 1.71 -8.09	48.20 1.67 -10.99	48.60 1.49 -17.88	54.10 1.77 -19.49	60.00 1.82 -25.10	55.82 2.29 -17.28	53.94 2.37 -15.10	72.16 2.05 -38.16	66.66 1.95 -32.24	65.90 2.02 -28.44	66.29 1.82 -28.81	66.27 1.65 -29.58	67.30 2.04 -26.83	69.64 2.41 -21.71	77.60 3.27 -16.85	76.93 2.57 -30.06	76.43 2.62 -26.11	67.30 2.42 -18.31	67.30 2.03 -25.38	67.30 1.94 -24.95	66.39 2.17 -12.45
LINDHRST_69_KV_BK1 356055	53.97 2.65 -15.96	50.82 2.48 -14.83	49.73 2.38 -10.78	47.82 2.56 -8.09	49.06 2.52 -10.99	49.34 2.22 -17.89	55.02 2.59 -19.60	60.81 2.61 -25.12	56.60 3.05 -17.29	54.64 3.06 -15.10	72.20 2.08 -38.17	66.99 2.27 -32.24	66.16 2.27 -28.44	69.07 2.35 -31.05	73.51 2.24 -36.23	82.75 3.11 -41.21	121.44 3.73 -72.19	145.33 4.89 -82.96	130.45 3.77 -82.38	118.13 3.91 -66.51	113.17 3.77 -62.83	102.53 3.15 -59.50	78.89 2.99 -35.49	72.88 3.52 -17.59
LIPA_MISC_IPP 23656	53.70 2.58 -15.76	50.88 2.55 -14.83	49.55 2.19 -10.78	47.82 2.56 -8.09	49.09 2.56 -10.99	49.37 2.25 -17.89	55.11 2.69 -19.59	60.91 2.71 -25.12	56.41 2.86 -17.29	54.42 2.84 -15.10	71.85 1.73 -38.17	66.66 1.95 -32.24	65.77 1.88 -28.44	68.71 2.00 -31.05	73.19 1.93 -36.23	82.56 2.92 -41.21	118.67 3.64 -69.50	140.67 4.66 -78.54	127.35 3.54 -79.51	116.53 3.91 -64.92	110.56 3.77 -60.22	100.59 3.11 -57.59	78.72 2.83 -35.48	72.72 3.36 -17.59
LISF____SOLAR 323691	53.77 2.65 -15.76	50.95 2.62 -14.83	49.62 2.27 -10.78	48.01 2.75 -8.09	49.16 2.63 -10.99	49.43 2.31 -17.89	55.18 2.76 -19.59	61.01 2.81 -25.12	56.48 2.94 -17.29	54.45 2.88 -15.10	71.88 1.76 -38.17	66.70 1.98 -32.24	65.73 1.84 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.59 2.96 -41.21	118.92 3.87 -69.53	140.90 4.83 -78.59	127.60 3.76 -79.54	116.79 4.15 -64.93	110.82 4.01 -60.24	100.77 3.27 -57.62	78.93 3.03 -35.48	72.83 3.47 -17.59

LITTLE FALLS___HYD 24013	35.96 0.60 0.00	34.12 0.60 0.00	37.27 0.69 0.00	37.91 0.74 0.00	36.29 0.75 0.00	29.84 0.61 0.00	33.49 0.66 0.00	33.84 0.76 0.00	37.16 0.91 0.00	37.42 0.95 0.00	32.84 0.89 0.00	33.38 0.91 0.00	36.44 0.99 0.00	36.62 0.96 0.00	35.98 0.95 0.00	39.47 1.04 0.00	46.70 1.18 0.00	58.97 1.49 0.00	45.36 1.06 0.00	48.85 1.14 0.00	47.64 1.07 0.00	40.92 1.04 0.00	41.46 1.05 0.00	53.16 1.40 0.00
LITTLRIV_115KV_TB1 356100	33.98 -1.66 -0.28	32.20 -1.61 -0.30	35.40 -1.39 -0.22	35.47 -1.86 -0.16	33.92 -1.85 -0.22	27.63 -1.96 -0.36	31.45 -1.77 -0.39	32.50 -1.09 -0.51	35.66 -0.94 -0.35	36.23 -0.55 -0.31	32.05 -0.67 -0.77	32.50 -0.62 -0.65	35.56 -0.46 -0.58	35.93 -0.36 -0.63	35.28 -0.49 -0.73	38.65 -0.61 -0.83	46.80 0.32 -0.96	59.14 0.80 -0.86	45.74 0.31 -1.13	49.32 0.57 -1.05	48.52 1.16 -0.78	41.37 0.64 -0.85	41.78 0.65 -0.72	53.67 1.55 -0.36
LI_NEWBRDGE___DRP 323616	53.05 2.05 -15.64	50.25 1.91 -14.82	49.22 1.87 -10.78	47.30 2.04 -8.09	48.56 2.03 -10.99	48.90 1.78 -17.89	54.45 2.04 -19.58	60.31 2.12 -25.12	56.09 2.54 -17.29	54.12 2.55 -15.10	71.85 1.73 -38.17	66.63 1.92 -32.24	65.80 1.91 -28.44	68.68 1.96 -31.05	73.09 1.82 -36.23	82.17 2.54 -41.20	116.35 2.87 -67.96	136.96 3.74 -75.75	125.04 2.88 -77.86	114.71 3.01 -64.00	108.17 2.89 -58.72	98.78 2.39 -56.50	78.24 2.34 -35.48	72.10 2.74 -17.59
LOCKPORT_115KV_TB60_63_64 80432	34.56 -2.69 -1.88	32.81 -2.68 -1.98	35.09 -2.93 -1.44	35.35 -2.90 -1.08	34.42 -2.59 -1.47	29.55 -2.08 -2.39	32.21 -2.79 -2.17	32.56 -3.31 -2.79	34.44 -3.73 -1.92	34.28 -3.87 -1.68	32.89 -3.29 -4.23	32.64 -3.41 -3.58	34.88 -3.72 -3.16	35.40 -3.71 -3.45	35.48 -3.57 -4.02	39.16 -3.84 -4.57	46.08 -4.69 -5.25	55.92 -6.26 -4.71	46.06 -4.43 -6.19	48.39 -5.06 -5.74	45.88 -4.98 -4.29	40.54 -3.99 -4.65	40.71 -3.64 -3.94	50.24 -3.88 -2.35
LOCKPORT___CC1 323769	34.57 -2.69 -1.90	32.83 -2.68 -2.00	35.10 -2.93 -1.45	35.36 -2.90 -1.09	34.43 -2.59 -1.48	29.57 -2.07 -2.41	32.21 -2.79 -2.16	32.56 -3.31 -2.78	34.40 -3.77 -1.92	34.28 -3.87 -1.68	32.89 -3.29 -4.23	32.64 -3.41 -3.58	34.95 -3.65 -3.15	35.47 -3.64 -3.44	35.58 -3.47 -4.02	39.12 -3.88 -4.57	45.85 -4.92 -5.25	55.97 -6.21 -4.70	45.96 -4.52 -6.18	48.24 -5.20 -5.74	45.78 -5.08 -4.29	40.42 -4.11 -4.64	40.67 -3.68 -3.93	50.25 -3.88 -2.37
LOCKPORT___CC2 323770	34.57 -2.69 -1.90	32.83 -2.68 -2.00	35.10 -2.93 -1.45	35.36 -2.90 -1.09	34.43 -2.59 -1.48	29.57 -2.07 -2.41	32.21 -2.79 -2.16	32.56 -3.31 -2.78	34.40 -3.77 -1.92	34.28 -3.87 -1.68	32.89 -3.29 -4.23	32.64 -3.41 -3.58	34.95 -3.65 -3.15	35.47 -3.64 -3.44	35.58 -3.47 -4.02	39.12 -3.88 -4.57	45.85 -4.92 -5.25	55.97 -6.21 -4.70	45.96 -4.52 -6.18	48.24 -5.20 -5.74	45.78 -5.08 -4.29	40.42 -4.11 -4.64	40.67 -3.68 -3.93	50.25 -3.88 -2.37
LOCKPORT___CC3 323771	34.57 -2.69 -1.90	32.83 -2.68 -2.00	35.10 -2.93 -1.45	35.36 -2.90 -1.09	34.43 -2.59 -1.48	29.57 -2.07 -2.41	32.21 -2.79 -2.16	32.56 -3.31 -2.78	34.40 -3.77 -1.92	34.28 -3.87 -1.68	32.89 -3.29 -4.23	32.64 -3.41 -3.58	34.95 -3.65 -3.15	35.47 -3.64 -3.44	35.58 -3.47 -4.02	39.12 -3.88 -4.57	45.85 -4.92 -5.25	55.97 -6.21 -4.70	45.96 -4.52 -6.18	48.24 -5.20 -5.74	45.78 -5.08 -4.29	40.42 -4.11 -4.64	40.67 -3.68 -3.93	50.25 -3.88 -2.37
LONG_LAKE_PHOENIX 24014	35.73 -0.67 -1.05	33.98 -0.64 -1.10	36.64 -0.73 -0.80	37.06 -0.71 -0.60	35.69 -0.68 -0.82	30.03 -0.53 -1.33	33.69 -0.59 -1.45	34.29 -0.66 -1.87	36.71 -0.83 -1.29	36.72 -0.88 -1.12	34.02 -0.77 -2.84	34.09 -0.78 -2.40	36.71 -0.85 -2.12	37.12 -0.86 -2.31	36.93 -0.81 -2.70	40.61 -0.88 -3.07	48.00 -1.05 -3.52	59.31 -1.32 -3.16	47.43 -1.02 -4.15	50.41 -1.14 -3.85	48.28 -1.16 -2.88	41.92 -1.08 -3.12	41.96 -1.09 -2.64	51.62 -1.45 -1.31
LOVETT___3 23632	50.65 1.59 -13.70	49.36 1.44 -14.41	48.52 1.46 -10.48	46.56 1.52 -7.87	47.72 1.49 -10.69	47.93 1.32 -17.39	53.33 1.54 -18.96	59.08 1.59 -24.41	55.02 1.96 -16.80	53.20 2.04 -14.68	70.73 1.66 -37.12	65.41 1.59 -31.35	64.84 1.74 -27.66	67.53 1.68 -30.19	71.84 1.58 -35.23	80.33 1.84 -40.06	93.61 2.05 -46.04	101.50 2.76 -41.26	100.68 2.13 -54.26	100.22 2.19 -50.32	86.21 2.05 -37.59	82.36 1.75 -40.73	76.52 1.62 -34.49	70.84 1.97 -17.11
LOVETT___4 23642	50.65 1.59 -13.70	49.36 1.44 -14.41	48.52 1.46 -10.48	46.56 1.52 -7.87	47.72 1.49 -10.69	47.93 1.32 -17.39	53.33 1.54 -18.96	59.08 1.59 -24.41	55.02 1.96 -16.80	53.20 2.04 -14.68	70.73 1.66 -37.12	65.41 1.59 -31.35	64.84 1.74 -27.66	67.53 1.68 -30.19	71.84 1.58 -35.23	80.33 1.84 -40.06	93.61 2.05 -46.04	101.50 2.76 -41.26	100.68 2.13 -54.26	100.22 2.19 -50.32	86.21 2.05 -37.59	82.36 1.75 -40.73	76.52 1.62 -34.49	70.84 1.97 -17.11
LOVETT___5 23593	50.65 1.59 -13.70	49.36 1.44 -14.41	48.52 1.46 -10.48	46.56 1.52 -7.87	47.72 1.49 -10.69	47.93 1.32 -17.39	53.33 1.54 -18.96	59.08 1.59 -24.41	55.02 1.96 -16.80	53.20 2.04 -14.68	70.73 1.66 -37.12	65.41 1.59 -31.35	64.84 1.74 -27.66	67.53 1.68 -30.19	71.84 1.58 -35.23	80.33 1.84 -40.06	93.61 2.05 -46.04	101.50 2.76 -41.26	100.68 2.13 -54.26	100.22 2.19 -50.32	86.21 2.05 -37.59	82.36 1.75 -40.73	76.52 1.62 -34.49	70.84 1.97 -17.11
LOWER RAQUET___HYD 24057	33.71 -1.94 -0.29	31.94 -1.88 -0.31	35.12 -1.68 -0.22	35.22 -2.12 -0.17	33.67 -2.10 -0.23	27.47 -2.13 -0.37	31.20 -2.04 -0.40	32.18 -1.42 -0.52	35.31 -1.30 -0.36	35.84 -0.95 -0.31	31.75 -0.99 -0.79	32.17 -0.97 -0.67	35.22 -0.81 -0.59	35.56 -0.75 -0.64	34.95 -0.84 -0.75	38.25 -1.04 -0.86	46.32 -0.18 -0.98	58.30 -0.06 -0.88	45.10 -0.36 -1.16	48.64 -0.14 -1.07	47.79 0.42 -0.80	40.99 0.24 -0.87	41.35 0.20 -0.74	53.11 0.98 -0.37
LOWER___HUDSON 24059	53.64 1.34 -16.94	52.56 1.24 -17.81	50.89 1.35 -12.96	48.23 1.34 -9.73	50.10 1.35 -13.21	51.87 1.14 -21.50	57.53 1.25 -23.45	64.54 1.26 -30.20	58.54 1.49 -20.79	56.10 1.46 -18.17	79.08 1.21 -45.92	72.53 1.27 -38.79	71.08 1.42 -34.22	74.48 1.46 -37.36	80.06 1.44 -43.58	89.53 1.54 -49.56	104.34 1.87 -56.96	110.94 2.41 -51.05	113.25 1.82 -67.13	111.88 1.91 -62.26	94.99 1.91 -46.51	91.87 1.60 -50.39	84.74 1.66 -42.68	75.09 2.17 -21.15
LOWVILLE_115KV_TB2 356335	35.14 -0.71 -0.49	33.32 -0.70 -0.52	36.22 -0.73 -0.38	36.63 -0.82 -0.28	35.11 -0.82 -0.38	29.03 -0.82 -0.62	32.79 -0.72 -0.68	33.62 -0.33 -0.87	36.57 -0.29 -0.60	36.74 -0.26 -0.53	32.93 -0.35 -1.33	33.24 -0.36 -1.12	36.12 -0.32 -0.99	36.46 -0.29 -1.08	36.02 -0.28 -1.26	39.63 -0.23 -1.43	47.31 0.14 -1.65	59.41 0.46 -1.48	46.46 0.22 -1.94	50.46 0.95 -1.80	48.99 1.07 -1.35	42.02 0.68 -1.46	42.13 0.48 -1.23	52.95 0.57 -0.61
LUTHERFT_115KV_GLOB_FND_222 355753	54.44 1.87 -17.21	53.39 1.78 -18.10	51.64 1.90 -13.17	48.91 1.86 -9.88	50.85 1.88 -13.42	52.65 1.58 -21.84	58.44 1.77 -23.83	65.56 1.79 -30.69	59.45 2.07 -21.12	56.93 2.01 -18.46	80.05 1.44 -46.66	73.31 1.43 -39.41	71.81 1.60 -34.77	75.19 1.57 -37.96	80.90 1.58 -44.28	90.67 1.88 -50.35	105.76 2.37 -57.87	112.39 3.05 -51.87	114.86 2.35 -68.21	113.45 2.48 -63.26	96.25 2.42 -47.26	93.07 1.99 -51.20	85.75 1.98 -43.36	75.74 2.48 -21.49

LUTHERNY_35_KV_BK2 355980	54.48 1.91 -17.21	53.39 1.78 -18.10	51.64 1.90 -13.17	48.95 1.90 -9.88	50.85 1.88 -13.42	52.65 1.58 -21.84	58.44 1.77 -23.83	65.56 1.79 -30.69	59.49 2.10 -21.12	56.93 2.01 -18.46	80.08 1.47 -46.66	73.34 1.46 -39.41	71.84 1.63 -34.77	75.22 1.60 -37.96	80.93 1.61 -44.28	90.71 1.92 -50.35	105.80 2.41 -57.87	112.45 3.10 -51.87	114.90 2.39 -68.21	113.49 2.53 -63.26	96.30 2.47 -47.26	93.07 1.99 -51.20	85.79 2.02 -43.36	75.79 2.54 -21.49
LWR___OSWEGATCHIE_HYD 23850	34.14 -1.63 -0.41	32.37 -1.58 -0.43	35.35 -1.54 -0.32	35.62 -1.78 -0.24	34.09 -1.78 -0.32	28.03 -1.72 -0.52	31.76 -1.64 -0.57	32.66 -1.16 -0.74	35.64 -1.12 -0.51	36.00 -0.91 -0.44	32.14 -0.93 -1.12	32.47 -0.94 -0.95	35.39 -0.89 -0.83	35.75 -0.82 -0.91	35.26 -0.84 -1.06	38.68 -0.96 -1.21	46.50 -0.41 -1.39	58.55 -0.17 -1.24	45.58 -0.35 -1.64	49.27 0.05 -1.52	48.12 0.42 -1.13	41.19 0.08 -1.23	41.41 -0.04 -1.04	52.59 0.31 -0.52
LYONS_FALL_HYD 23570	35.64 -0.18 -0.45	33.79 -0.20 -0.48	36.70 -0.22 -0.35	37.21 -0.22 -0.26	35.61 -0.29 -0.35	29.51 -0.29 -0.58	33.26 -0.20 -0.63	33.99 0.10 -0.81	37.00 0.18 -0.56	37.14 0.18 -0.49	33.27 0.10 -1.23	33.61 0.10 -1.04	36.50 0.14 -0.92	36.84 0.18 -1.00	36.38 0.18 -1.17	39.99 0.23 -1.33	47.64 0.59 -1.52	59.76 0.92 -1.37	46.67 0.57 -1.80	50.47 1.10 -1.67	48.93 1.12 -1.24	42.07 0.84 -1.35	42.24 0.69 -1.14	53.11 0.78 -0.57
MADISON___COUNTY_LFGE 323628	36.83 0.71 -0.77	34.99 0.67 -0.81	37.86 0.69 -0.59	38.31 0.71 -0.44	36.78 0.64 -0.60	30.76 0.56 -0.97	34.58 0.69 -1.06	35.34 0.89 -1.37	38.14 0.94 -0.94	38.21 0.91 -0.82	34.76 0.73 -2.08	34.97 0.75 -1.75	37.84 0.85 -1.55	38.24 0.89 -1.69	37.88 0.88 -1.97	41.71 1.04 -2.24	49.46 1.37 -2.58	61.62 1.84 -2.31	48.62 1.28 -3.04	52.00 1.48 -2.82	50.12 1.44 -2.10	43.28 1.12 -2.28	43.31 0.97 -1.93	53.86 1.14 -0.96
MALONE___115KV_TB1 356076	33.61 -1.98 -0.23	31.84 -1.91 -0.24	35.10 -1.65 -0.18	35.14 -2.16 -0.13	33.63 -2.10 -0.18	27.36 -2.16 -0.29	31.11 -2.04 -0.32	32.07 -1.42 -0.41	35.27 -1.27 -0.28	35.88 -0.84 -0.25	31.64 -0.93 -0.62	32.12 -0.88 -0.53	35.27 -0.64 -0.46	35.56 -0.61 -0.51	34.96 -0.67 -0.59	38.33 -0.77 -0.67	46.43 0.14 -0.77	58.74 0.57 -0.69	45.25 0.04 -0.91	48.83 0.29 -0.84	48.18 0.98 -0.63	41.04 0.48 -0.68	41.56 0.57 -0.58	53.66 1.60 -0.29
MAPLEWOD_115KV_TB3 80458	53.19 0.99 -16.85	52.13 0.90 -17.72	50.45 0.99 -12.89	47.81 0.97 -9.68	49.68 1.00 -13.14	51.43 0.82 -21.38	57.05 0.89 -23.33	63.98 0.86 -30.04	57.99 1.05 -20.68	55.60 1.06 -18.07	78.74 1.12 -45.67	72.22 1.17 -38.58	70.75 1.28 -34.03	74.10 1.28 -37.15	79.68 1.30 -43.35	88.91 1.19 -49.29	103.63 1.46 -56.65	110.09 1.84 -50.77	112.48 1.42 -66.77	111.11 1.48 -61.93	94.32 1.49 -46.26	91.23 1.24 -50.11	84.31 1.45 -42.44	74.72 1.92 -21.04
MAPLE_RIDGE_WT_1 323574	33.87 -1.48 0.00	32.11 -1.41 0.00	35.18 -1.39 0.00	35.61 -1.56 0.00	34.02 -1.53 0.00	27.83 -1.40 0.00	31.39 -1.44 0.00	31.86 -1.22 0.00	35.03 -1.23 0.00	35.41 -1.06 0.00	30.99 -0.96 0.00	31.53 -0.94 0.00	34.52 -0.92 0.00	34.77 -0.89 0.00	34.13 -0.91 0.00	37.39 -1.04 0.00	44.66 -0.87 0.00	56.44 -1.03 0.00	43.41 -0.89 0.00	46.80 -0.91 0.00	45.96 -0.61 0.00	39.45 -0.44 0.00	40.13 -0.28 0.00	51.82 0.05 0.00
MAPLE_RIDGE_WT_2 323611	33.87 -1.48 0.00	32.11 -1.41 0.00	35.18 -1.39 0.00	35.61 -1.56 0.00	34.02 -1.53 0.00	27.83 -1.40 0.00	31.39 -1.44 0.00	31.86 -1.22 0.00	35.03 -1.23 0.00	35.41 -1.06 0.00	30.99 -0.96 0.00	31.53 -0.94 0.00	34.52 -0.92 0.00	34.77 -0.89 0.00	34.13 -0.91 0.00	37.39 -1.04 0.00	44.66 -0.87 0.00	56.44 -1.03 0.00	43.41 -0.89 0.00	46.80 -0.91 0.00	45.96 -0.61 0.00	39.45 -0.44 0.00	40.13 -0.28 0.00	51.82 0.05 0.00
MARBLE_RIVER_WT_PWR 323696	32.99 -2.37 0.00	31.23 -2.28 0.00	34.49 -2.08 0.00	34.64 -2.53 0.00	33.05 -2.49 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.23 -1.85 0.00	34.48 -1.78 0.00	35.12 -1.35 0.00	30.61 -1.34 0.00	31.17 -1.30 0.00	34.31 -1.14 0.00	34.63 -1.04 0.00	33.91 -1.12 0.00	37.16 -1.27 0.00	45.11 -0.41 0.00	57.08 -0.40 0.00	43.64 -0.66 0.00	47.13 -0.57 0.00	46.62 0.05 0.00	39.84 -0.04 0.00	40.49 0.08 0.00	52.80 1.03 0.00
MARSHVLE_115KV_TB1 80742	56.84 2.26 -19.22	55.90 2.18 -20.21	53.55 2.27 -14.71	50.44 2.23 -11.04	52.77 2.24 -14.99	55.52 1.90 -24.39	61.50 2.07 -26.60	69.48 2.15 -34.25	62.26 2.43 -23.58	59.00 1.93 -20.60	85.46 1.44 -52.07	77.79 1.33 -43.99	75.70 1.45 -38.80	79.59 1.57 -42.36	86.07 1.61 -49.42	97.16 2.54 -56.20	113.57 3.46 -64.59	119.96 4.60 -57.89	123.97 3.54 -76.12	122.12 3.82 -70.60	102.90 3.59 -52.74	100.05 3.03 -57.14	91.59 2.79 -48.39	79.07 3.31 -24.00
MARSH_HILL_WT_PWR 323713	36.41 -1.63 -2.67	34.82 -1.51 -2.81	37.05 -1.57 -2.05	37.18 -1.53 -1.54	36.31 -1.31 -2.09	31.63 -0.99 -3.39	35.09 -1.18 -3.44	36.32 -1.19 -4.43	37.82 -1.49 -3.05	37.31 -1.82 -2.66	36.99 -1.69 -6.73	36.43 -1.72 -5.69	38.58 -1.88 -5.02	39.32 -1.82 -5.48	39.78 -1.65 -6.39	44.23 -1.46 -7.26	52.28 -1.59 -8.35	63.18 -1.78 -7.48	52.76 -1.37 -9.84	55.21 -1.62 -9.13	51.76 -1.63 -6.82	45.79 -1.47 -7.39	45.25 -1.42 -6.26	53.34 -1.76 -3.34
MCINTYRE_115KV_TB2 80467	34.11 -1.52 -0.27	32.32 -1.47 -0.29	35.54 -1.24 -0.21	35.61 -1.71 -0.16	34.05 -1.71 -0.21	27.71 -1.87 -0.35	31.50 -1.71 -0.38	32.61 -0.96 -0.49	35.79 -0.80 -0.33	36.36 -0.40 -0.29	32.14 -0.54 -0.74	32.57 -0.52 -0.62	35.68 -0.32 -0.55	36.05 -0.21 -0.60	35.39 -0.35 -0.70	38.77 -0.46 -0.80	46.98 0.55 -0.92	59.45 1.15 -0.82	45.91 0.53 -1.08	49.52 0.81 -1.00	48.72 1.40 -0.75	41.53 0.84 -0.81	41.95 0.85 -0.69	53.97 1.86 -0.34
MECO_____69_KV_BK1 80468	56.81 2.93 -18.52	55.77 2.78 -19.48	53.71 2.96 -14.17	50.70 2.90 -10.64	52.90 2.91 -14.45	55.22 2.48 -23.51	61.26 2.79 -25.63	68.87 2.78 -33.01	62.10 3.12 -22.72	59.02 2.70 -19.85	84.24 2.11 -50.19	76.94 2.08 -42.39	75.14 2.30 -37.39	78.81 2.32 -40.83	85.02 2.35 -47.63	95.90 3.30 -54.16	112.14 4.37 -62.25	119.02 5.75 -55.79	122.09 4.43 -73.37	120.47 4.72 -68.05	101.92 4.52 -50.83	98.70 3.75 -55.07	90.61 3.56 -46.64	79.24 4.35 -23.13
MENANDS___115KV_TB5 355628	52.99 0.81 -16.82	51.93 0.74 -17.68	50.24 0.80 -12.87	47.61 0.78 -9.66	49.44 0.78 -13.12	51.25 0.67 -21.34	56.81 0.69 -23.28	63.76 0.69 -29.99	57.73 0.83 -20.64	55.38 0.88 -18.03	78.56 1.02 -45.59	72.05 1.07 -38.51	70.58 1.17 -33.97	73.96 1.21 -37.08	79.50 1.19 -43.27	88.63 1.00 -49.20	103.25 1.18 -56.54	109.65 1.49 -50.68	112.09 1.15 -66.64	110.71 1.19 -61.81	93.95 1.21 -46.17	90.94 1.04 -50.02	84.07 1.29 -42.37	74.52 1.76 -21.00
MG INDUSTRY___DRP 24185	52.68 0.85 -16.48	51.68 0.84 -17.33	50.10 0.91 -12.61	47.52 0.89 -9.46	49.28 0.89 -12.85	50.88 0.73 -20.91	56.40 0.76 -22.82	63.19 0.73 -29.38	57.28 0.80 -20.23	54.91 0.77 -17.67	77.48 0.86 -44.67	71.08 0.88 -37.74	69.69 0.96 -33.29	73.00 1.00 -36.34	78.45 1.02 -42.40	87.60 0.96 -48.21	102.11 1.18 -55.41	108.63 1.49 -49.66	110.71 1.11 -65.31	109.51 1.24 -60.57	93.03 1.21 -45.25	89.94 1.04 -49.02	83.18 1.25 -41.52	74.05 1.71 -20.57

MID___OSWEGATCHIE_HYD 23849	34.14 -1.63 -0.41	32.37 -1.58 -0.43	35.35 -1.54 -0.32	35.62 -1.78 -0.24	34.09 -1.78 -0.32	28.03 -1.72 -0.52	31.76 -1.64 -0.57	32.66 -1.16 -0.74	35.64 -1.12 -0.51	36.00 -0.91 -0.44	32.14 -0.93 -1.12	32.47 -0.94 -0.95	35.39 -0.89 -0.83	35.75 -0.82 -0.91	35.26 -0.84 -1.06	38.68 -0.96 -1.21	46.50 -0.41 -1.39	58.55 -0.17 -1.24	45.58 -0.35 -1.64	49.27 0.05 -1.52	48.12 0.42 -1.13	41.19 0.08 -1.23	41.41 -0.04 -1.04	52.59 0.31 -0.52
MID___RAQUETTE_HYD 23851	33.71 -1.94 -0.29	31.94 -1.88 -0.31	35.12 -1.68 -0.22	35.18 -2.16 -0.17	33.67 -2.10 -0.23	27.47 -2.13 -0.37	31.20 -2.04 -0.40	32.18 -1.42 -0.52	35.31 -1.31 -0.36	35.84 -0.95 -0.31	31.75 -0.99 -0.79	32.17 -0.97 -0.67	35.22 -0.82 -0.59	35.56 -0.75 -0.64	34.95 -0.84 -0.75	38.25 -1.04 -0.86	46.23 -0.27 -0.98	58.41 0.06 -0.88	45.19 -0.27 -1.16	48.78 0.00 -1.07	47.93 0.56 -0.80	40.91 0.16 -0.87	41.35 0.20 -0.74	53.11 0.98 -0.37
MILLIKEN___1 23584	38.48 0.46 -2.66	36.75 0.44 -2.80	39.09 0.48 -2.04	39.18 0.48 -1.53	38.08 0.46 -2.08	33.05 0.44 -3.38	37.00 0.53 -3.64	38.36 0.60 -4.68	40.03 0.54 -3.22	39.69 0.40 -2.82	39.39 0.32 -7.12	38.81 0.32 -6.01	41.11 0.35 -5.31	41.85 0.39 -5.79	42.21 0.42 -6.76	46.77 0.65 -7.68	55.22 0.86 -8.83	66.66 1.26 -7.92	55.64 0.93 -10.41	58.31 0.95 -9.65	54.62 0.84 -7.21	48.25 0.56 -7.81	47.47 0.44 -6.62	55.56 0.47 -3.33
MILLIKEN___2 23585	38.48 0.46 -2.66	36.75 0.44 -2.80	39.09 0.48 -2.04	39.18 0.48 -1.53	38.08 0.46 -2.08	33.05 0.44 -3.38	37.00 0.53 -3.64	38.36 0.60 -4.68	40.03 0.54 -3.22	39.69 0.40 -2.82	39.39 0.32 -7.12	38.81 0.32 -6.01	41.11 0.35 -5.31	41.85 0.39 -5.79	42.21 0.42 -6.76	46.77 0.65 -7.68	55.22 0.86 -8.83	66.66 1.26 -7.92	55.64 0.93 -10.41	58.31 0.95 -9.65	54.62 0.84 -7.21	48.25 0.56 -7.81	47.47 0.44 -6.62	55.56 0.47 -3.33
MILLIKEN___DIESEL 23629	38.48 0.46 -2.66	36.75 0.44 -2.80	39.09 0.48 -2.04	39.18 0.48 -1.53	38.08 0.46 -2.08	33.05 0.44 -3.38	37.00 0.53 -3.64	38.36 0.60 -4.68	40.03 0.54 -3.22	39.69 0.40 -2.82	39.39 0.32 -7.12	38.81 0.32 -6.01	41.11 0.35 -5.31	41.85 0.39 -5.79	42.21 0.42 -6.76	46.77 0.65 -7.68	55.22 0.86 -8.83	66.66 1.26 -7.92	55.64 0.93 -10.41	58.31 0.95 -9.65	54.62 0.84 -7.21	48.25 0.56 -7.81	47.47 0.44 -6.62	55.56 0.47 -3.33
MILLSEAT___LFGE 323607	35.14 -2.05 -1.83	33.36 -2.08 -1.92	35.71 -2.27 -1.40	35.95 -2.27 -1.05	34.98 -1.99 -1.43	29.95 -1.61 -2.32	32.87 -2.13 -2.17	33.33 -2.55 -2.80	35.28 -2.90 -1.93	35.09 -3.06 -1.68	33.61 -2.59 -4.25	33.40 -2.66 -3.59	35.78 -2.84 -3.17	36.27 -2.85 -3.46	36.37 -2.70 -4.03	40.02 -3.00 -4.59	47.06 -3.73 -5.27	57.49 -4.71 -4.73	47.19 -3.32 -6.21	49.60 -3.86 -5.76	47.06 -3.82 -4.31	41.48 -3.07 -4.66	41.61 -2.75 -3.95	51.20 -2.85 -2.29
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	51.11 1.73 -14.02	49.83 1.58 -14.74	48.91 1.61 -10.73	46.89 1.67 -8.05	48.11 1.63 -10.93	48.43 1.40 -17.79	53.91 1.67 -19.40	59.78 1.72 -24.98	55.56 2.10 -17.20	53.68 2.19 -15.02	71.78 1.85 -37.98	66.37 1.82 -32.08	65.73 1.98 -28.30	68.48 1.93 -30.90	72.91 1.82 -36.05	81.57 2.15 -40.99	95.09 2.46 -47.11	102.97 3.28 -42.22	102.39 2.57 -55.52	101.82 2.62 -51.49	87.51 2.47 -38.47	83.67 2.11 -41.67	77.65 1.94 -35.30	71.60 2.33 -17.50
MILLWOOD_13_KV_LOAD 356217	51.21 1.84 -14.02	49.89 1.64 -14.74	48.98 1.68 -10.73	46.97 1.75 -8.05	48.18 1.71 -10.93	48.51 1.49 -17.79	54.00 1.77 -19.40	59.88 1.82 -24.98	55.70 2.25 -17.20	53.79 2.30 -15.02	71.88 1.95 -37.98	66.50 1.95 -32.08	65.84 2.09 -28.30	68.59 2.03 -30.90	73.01 1.93 -36.05	81.68 2.27 -40.99	95.27 2.64 -47.11	103.20 3.51 -42.22	102.52 2.70 -55.52	102.01 2.81 -51.49	87.69 2.65 -38.47	83.79 2.23 -41.67	77.77 2.06 -35.30	71.70 2.43 -17.50
MODEL_CITY_ENERGY 24167	34.24 -3.04 -1.92	32.51 -3.02 -2.02	34.79 -3.26 -1.47	35.00 -3.27 -1.10	34.09 -2.95 -1.50	29.30 -2.37 -2.44	31.86 -3.12 -2.15	32.14 -3.70 -2.77	34.00 -4.17 -1.91	33.87 -4.27 -1.67	32.51 -3.64 -4.20	32.25 -3.77 -3.55	34.54 -4.04 -3.13	35.05 -4.03 -3.42	35.14 -3.89 -3.99	38.62 -4.34 -4.54	45.22 -5.51 -5.21	55.19 -6.96 -4.67	45.35 -5.09 -6.14	47.58 -5.82 -5.70	45.19 -5.64 -4.26	39.91 -4.59 -4.61	40.20 -4.12 -3.91	49.76 -4.40 -2.40
MODERN_LFGE___ 323580	34.24 -3.04 -1.92	32.51 -3.02 -2.02	34.79 -3.26 -1.47	35.00 -3.27 -1.10	34.09 -2.95 -1.50	29.30 -2.37 -2.44	31.86 -3.12 -2.15	32.14 -3.70 -2.77	34.00 -4.17 -1.91	33.87 -4.27 -1.67	32.51 -3.64 -4.20	32.25 -3.77 -3.55	34.54 -4.04 -3.13	35.05 -4.03 -3.42	35.14 -3.89 -3.99	38.62 -4.34 -4.54	45.22 -5.51 -5.21	55.19 -6.96 -4.67	45.35 -5.09 -6.14	47.58 -5.82 -5.70	45.19 -5.64 -4.26	39.91 -4.59 -4.61	40.20 -4.12 -3.91	49.76 -4.40 -2.40
MOHAWK_PAPER___DRP 24187	53.19 0.99 -16.85	52.13 0.90 -17.72	50.45 0.99 -12.89	47.81 0.97 -9.68	49.68 1.00 -13.14	51.43 0.82 -21.38	57.05 0.89 -23.33	63.98 0.86 -30.04	57.99 1.05 -20.68	55.60 1.06 -18.07	78.74 1.12 -45.67	72.22 1.17 -38.58	70.75 1.28 -34.03	74.10 1.28 -37.15	79.68 1.30 -43.35	88.91 1.19 -49.29	103.63 1.46 -56.65	110.09 1.84 -50.77	112.48 1.42 -66.77	111.11 1.48 -61.93	94.32 1.49 -46.26	91.23 1.24 -50.11	84.31 1.45 -42.44	74.72 1.92 -21.04
MOHICAN___35_KV_115KV_LD 80490	55.02 2.44 -17.23	53.94 2.31 -18.11	52.20 2.45 -13.18	49.48 2.42 -9.89	51.43 2.45 -13.44	53.17 2.08 -21.86	59.02 2.33 -23.85	66.15 2.35 -30.72	60.16 2.76 -21.14	57.57 2.63 -18.47	80.21 1.57 -46.70	73.44 1.53 -39.45	71.94 1.70 -34.80	75.29 1.64 -37.99	80.97 1.61 -44.32	90.83 2.00 -50.40	106.04 2.59 -57.92	112.78 3.39 -51.92	115.18 2.61 -68.27	113.74 2.72 -63.32	96.48 2.61 -47.30	93.20 2.07 -51.24	85.91 2.10 -43.40	75.91 2.64 -21.51
MONGAUP___HYD 23641	50.09 1.87 -12.86	48.68 1.64 -13.52	48.13 1.72 -9.84	46.30 1.75 -7.39	47.32 1.74 -10.03	47.04 1.49 -16.32	52.33 1.71 -17.80	57.82 1.82 -22.92	54.06 2.03 -15.77	52.22 1.97 -13.78	68.36 1.57 -34.84	63.43 1.53 -29.43	63.04 1.63 -25.96	65.61 1.61 -28.34	69.68 1.58 -33.07	78.14 2.11 -37.60	91.51 2.78 -43.22	100.00 3.79 -38.73	98.16 2.92 -50.93	97.95 3.01 -47.24	84.75 2.89 -35.29	80.51 2.39 -38.23	75.01 2.22 -32.38	70.26 2.43 -16.06
MONTAUK___DIESEL 23721	53.73 2.62 -15.76	50.88 2.55 -14.83	49.44 2.08 -10.78	47.82 2.56 -8.09	49.13 2.59 -10.99	49.43 2.31 -17.89	55.24 2.82 -19.59	61.08 2.88 -25.12	56.49 2.94 -17.29	54.42 2.84 -15.10	71.43 1.31 -38.17	66.44 1.72 -32.24	65.41 1.52 -28.44	68.39 1.68 -31.05	72.91 1.65 -36.23	82.36 2.73 -41.21	118.36 3.32 -69.51	140.41 4.37 -78.56	127.14 3.32 -79.52	116.44 3.82 -64.92	110.62 3.82 -60.23	100.76 3.27 -57.60	78.93 3.03 -35.48	73.39 4.04 -17.59
MOONROAD_115KV_HARTFLD_TB1-2 355988	34.31 -3.22 -2.17	32.68 -3.12 -2.29	34.98 -3.26 -1.66	35.29 -3.12 -1.25	34.57 -2.67 -1.70	29.89 -2.10 -2.76	32.74 -2.59 -2.50	33.65 -2.65 -3.22	35.50 -2.97 -2.22	35.27 -3.14 -1.94	34.22 -2.62 -4.89	33.87 -2.73 -4.13	36.11 -2.98 -3.64	36.68 -2.96 -3.98	36.98 -2.70 -4.64	40.97 -2.73 -5.27	48.44 -3.14 -6.06	59.52 -3.39 -5.43	48.87 -2.57 -7.14	51.32 -3.01 -6.62	48.68 -2.84 -4.95	42.89 -2.35 -5.36	42.73 -2.22 -4.54	51.89 -2.59 -2.72

MORRIS_RIDGE___SOLAR 323848	35.78 -2.16 -2.58	34.15 -2.08 -2.72	36.32 -2.23 -1.98	36.46 -2.19 -1.48	35.64 -1.92 -2.02	30.99 -1.52 -3.28	34.19 -1.87 -3.22	35.25 -1.98 -4.15	36.80 -2.32 -2.86	36.34 -2.63 -2.50	35.93 -2.33 -6.31	35.40 -2.40 -5.33	37.52 -2.62 -4.70	38.23 -2.57 -5.13	38.61 -2.42 -5.99	42.82 -2.42 -6.81	50.57 -2.78 -7.82	61.10 -3.39 -7.01	51.00 -2.52 -9.22	53.39 -2.86 -8.55	50.17 -2.79 -6.39	44.45 -2.35 -6.92	44.09 -2.18 -5.86	52.41 -2.59 -3.23
MORTIMER_115KV_TB3 55949	35.73 -1.20 -1.57	33.93 -1.24 -1.65	36.39 -1.39 -1.20	36.70 -1.38 -0.90	35.56 -1.21 -1.23	30.23 -0.99 -2.00	33.76 -1.28 -2.21	34.27 -1.65 -2.85	36.30 -1.92 -1.96	36.18 -2.01 -1.71	34.58 -1.69 -4.33	34.41 -1.72 -3.66	36.83 -1.84 -3.23	37.29 -1.89 -3.52	37.32 -1.82 -4.11	41.18 -1.92 -4.67	48.57 -2.32 -5.37	59.07 -3.22 -4.81	48.46 -2.17 -6.33	51.04 -2.53 -5.87	48.39 -2.56 -4.38	42.64 -1.99 -4.75	42.62 -1.82 -4.02	51.92 -1.81 -1.96
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.17 1.84 -19.49	60.04 1.85 -25.11	55.86 2.32 -17.28	53.98 2.41 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.12 2.23 -28.44	68.89 2.18 -31.05	73.26 2.00 -36.23	81.96 2.34 -41.19	95.55 2.69 -47.34	103.53 3.62 -42.43	102.89 2.79 -55.80	102.32 2.86 -51.75	87.93 2.70 -38.66	84.04 2.27 -41.88	78.06 2.18 -35.47	71.94 2.59 -17.59
MUNSVILLE_WIND_PWR 323609	42.17 2.69 -4.13	40.40 2.55 -4.34	42.37 2.63 -3.16	42.33 2.79 -2.37	41.25 2.49 -3.22	36.49 2.02 -5.24	40.95 2.46 -5.65	43.50 3.14 -7.27	44.67 3.41 -5.01	43.94 3.10 -4.38	45.47 2.46 -11.06	44.35 2.53 -9.34	46.45 2.77 -8.24	47.44 2.78 -9.00	48.41 2.87 -10.50	53.82 3.46 -11.93	63.88 4.65 -13.72	75.92 6.15 -12.29	65.03 4.56 -16.17	67.61 4.91 -14.99	62.43 4.66 -11.20	55.73 3.71 -12.13	54.00 3.31 -10.28	60.70 3.78 -5.15
N SALMON___HYD 24042	33.61 -1.98 -0.23	31.84 -1.91 -0.24	35.10 -1.65 -0.18	35.14 -2.16 -0.13	33.63 -2.10 -0.18	27.36 -2.16 -0.29	31.11 -2.04 -0.32	32.07 -1.42 -0.41	35.27 -1.27 -0.28	35.88 -0.84 -0.25	31.64 -0.93 -0.62	32.12 -0.88 -0.53	35.27 -0.64 -0.46	35.56 -0.61 -0.51	34.96 -0.67 -0.59	38.33 -0.77 -0.67	46.52 0.23 -0.77	58.62 0.46 -0.69	45.16 -0.04 -0.91	48.69 0.14 -0.84	47.99 0.79 -0.63	41.12 0.56 -0.68	41.56 0.57 -0.58	53.66 1.61 -0.29
N.AKRON__115KV_KNAPP 355671	35.15 -2.05 -1.84	33.34 -2.11 -1.94	35.68 -2.30 -1.41	35.96 -2.27 -1.06	34.99 -1.99 -1.44	29.96 -1.61 -2.34	32.84 -2.17 -2.17	33.29 -2.58 -2.80	35.25 -2.94 -1.93	35.09 -3.06 -1.68	33.58 -2.62 -4.25	33.36 -2.70 -3.59	35.67 -2.94 -3.17	36.16 -2.96 -3.46	36.23 -2.84 -4.03	40.02 -3.00 -4.58	47.24 -3.55 -5.27	57.37 -4.83 -4.72	47.23 -3.28 -6.21	49.64 -3.82 -5.76	47.05 -3.82 -4.30	41.55 -2.99 -4.66	41.57 -2.79 -3.95	51.22 -2.85 -2.30
N.BELMOR_69_KV_BK1 55787	54.07 2.30 -16.42	50.49 2.14 -14.83	49.48 2.12 -10.78	47.53 2.27 -8.09	48.77 2.24 -10.99	49.08 1.96 -17.89	54.72 2.27 -19.62	60.48 2.28 -25.12	56.31 2.76 -17.29	54.38 2.81 -15.10	71.97 1.85 -38.17	66.76 2.05 -32.24	65.94 2.06 -28.44	68.78 2.07 -31.05	73.23 1.96 -36.23	82.33 2.69 -41.21	126.74 3.00 -78.21	154.72 3.97 -93.28	136.14 3.01 -88.83	120.99 3.20 -70.09	118.29 3.03 -68.69	106.25 2.59 -63.77	78.49 2.59 -35.49	72.41 3.05 -17.59
N.E_GEN_SANDY PD 24062	52.35 1.45 -15.54	51.19 1.34 -16.34	49.89 1.42 -11.89	47.58 1.49 -8.92	49.12 1.46 -12.12	50.18 1.23 -19.72	55.66 1.31 -21.52	62.21 1.42 -27.71	56.96 1.63 -19.07	54.85 1.71 -16.66	75.55 1.47 -42.13	69.58 1.53 -35.58	68.50 1.67 -31.39	71.64 1.71 -34.27	76.70 1.68 -39.98	85.74 1.84 -45.46	100.00 2.23 -52.25	125.00 2.93 -64.59	116.40 2.26 -69.84	107.11 2.29 -57.12	99.90 2.28 -51.05	88.56 1.91 -46.76	81.46 1.90 -39.15	73.60 2.43 -19.40
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	50.70 1.66 -13.68	49.37 1.47 -14.38	48.54 1.50 -10.46	46.58 1.56 -7.86	47.74 1.53 -10.67	47.93 1.34 -17.36	53.37 1.61 -18.93	59.07 1.62 -24.37	55.06 2.03 -16.78	53.21 2.08 -14.66	70.73 1.73 -37.05	65.43 1.66 -31.30	64.83 1.77 -27.61	67.55 1.75 -30.14	71.82 1.61 -35.17	80.34 1.92 -39.99	93.62 2.14 -45.96	101.54 2.87 -41.19	100.73 2.26 -54.17	100.23 2.29 -50.24	86.24 2.14 -37.53	82.42 1.87 -40.66	76.54 1.70 -34.44	70.86 2.02 -17.08
N.QUEENS_27_KV_LOAD 356247	51.32 1.87 -14.09	49.93 1.61 -14.81	48.93 1.57 -10.78	46.97 1.71 -8.09	48.09 1.56 -10.99	48.40 1.29 -17.88	53.80 1.48 -19.49	59.67 1.49 -25.10	55.53 1.99 -17.28	53.76 2.19 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.89 2.27 -41.19	95.41 2.55 -47.34	103.82 3.56 -42.79	102.84 2.75 -55.79	102.22 2.77 -51.75	87.74 2.51 -38.66	84.07 2.31 -41.88	78.31 2.42 -35.47	72.46 3.11 -17.59
N.TROY___115KV_TB1 355778	53.64 1.34 -16.94	52.56 1.24 -17.81	50.89 1.35 -12.96	48.27 1.38 -9.73	50.11 1.35 -13.21	51.87 1.14 -21.50	57.53 1.25 -23.45	64.58 1.29 -30.20	58.54 1.49 -20.79	56.10 1.46 -18.17	79.08 1.21 -45.92	72.53 1.27 -38.79	71.04 1.38 -34.22	74.41 1.39 -37.36	80.02 1.40 -43.58	89.53 1.54 -49.56	104.39 1.91 -56.96	111.00 2.47 -51.05	113.33 1.90 -67.13	111.97 2.00 -62.26	95.04 1.96 -46.51	91.91 1.64 -50.39	84.83 1.74 -42.68	75.09 2.17 -21.15
NARROWS_GT1_1 24228	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT1_2 24229	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT1_3 24230	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT1_4 24231	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59

NARROWS_GT1_5 24232	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT1_6 24233	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT1_7 24234	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT1_8 24235	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_1 24236	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_2 24237	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_3 24238	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_4 24239	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_5 24240	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_6 24241	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_7 24242	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NARROWS_GT2_8 24243	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	65.62 1.74 -28.44	68.28 1.57 -31.05	72.66 1.40 -36.22	81.46 1.84 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.48 2.12 -17.59
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	52.47 1.17 -15.95	51.39 1.11 -16.77	49.95 1.17 -12.20	47.44 1.12 -9.16	49.15 1.17 -12.44	50.46 0.99 -20.24	56.00 1.08 -22.08	62.54 1.03 -28.44	56.96 1.12 -19.57	54.52 0.95 -17.10	76.17 0.99 -43.23	70.00 1.01 -36.52	68.79 1.13 -32.21	72.01 1.18 -35.17	77.36 1.30 -41.03	86.39 1.31 -46.66	100.92 1.78 -53.62	107.95 2.41 -48.06	109.31 1.82 -63.20	108.18 1.86 -58.62	92.22 1.86 -43.79	88.83 1.52 -47.44	82.33 1.74 -40.18	73.90 2.23 -19.91
NCHELSEA_115KV_TR2 355582	51.44 1.98 -14.10	50.12 1.78 -14.83	49.23 1.87 -10.79	47.16 1.90 -8.10	48.43 1.88 -11.00	48.77 1.64 -17.90	54.22 1.87 -19.52	60.20 1.98 -25.13	55.91 2.36 -17.30	53.96 2.37 -15.12	72.14 1.98 -38.21	66.73 1.98 -32.28	66.04 2.13 -28.47	68.88 2.14 -31.08	73.37 2.07 -36.27	82.16 2.50 -41.24	95.87 2.96 -47.39	103.92 3.97 -42.48	103.21 3.06 -55.86	102.66 3.15 -51.81	88.30 3.03 -38.70	84.32 2.51 -41.93	78.27 2.34 -35.51	72.12 2.74 -17.61
NEG CAPITAL___MECHNVIL 23645	54.32 1.84 -17.13	53.26 1.74 -18.01	51.54 1.86 -13.10	48.82 1.82 -9.84	50.75 1.85 -13.36	52.52 1.55 -21.74	58.29 1.74 -23.72	65.37 1.75 -30.54	59.31 2.03 -21.02	56.81 1.97 -18.37	79.88 1.50 -46.43	73.19 1.49 -39.22	71.74 1.70 -34.60	75.15 1.71 -37.77	80.79 1.68 -44.07	90.50 1.96 -50.11	105.52 2.41 -57.59	112.25 3.16 -51.62	114.57 2.39 -67.88	113.19 2.53 -62.96	96.07 2.47 -47.03	92.86 2.03 -50.95	85.58 2.02 -43.15	75.74 2.59 -21.39

NEG CENTRAL_HIGH_ACRES 23767	35.37 -1.52 -1.53	33.58 -1.54 -1.61	36.06 -1.68 -1.17	36.34 -1.71 -0.88	35.21 -1.53 -1.19	29.91 -1.26 -1.94	33.49 -1.51 -2.16	34.08 -1.79 -2.79	36.11 -2.07 -1.92	36.00 -2.15 -1.68	34.37 -1.82 -4.24	34.20 -1.85 -3.58	36.65 -1.95 -3.16	37.18 -1.93 -3.45	37.17 -1.89 -4.02	40.97 -2.04 -4.57	48.23 -2.55 -5.26	58.91 -3.27 -4.71	48.15 -2.35 -6.20	50.73 -2.72 -5.75	48.16 -2.70 -4.29	42.30 -2.23 -4.65	42.25 -2.10 -3.94	51.34 -2.33 -1.91
NEG CENTRAL___DRP 24199	36.67 -0.39 -1.70	34.93 -0.37 -1.79	37.44 -0.44 -1.30	37.74 -0.41 -0.98	36.52 -0.36 -1.33	31.16 -0.23 -2.16	34.93 -0.26 -2.36	35.82 -0.30 -3.04	37.91 -0.44 -2.09	37.71 -0.58 -1.83	36.05 -0.51 -4.61	35.85 -0.52 -3.90	38.28 -0.60 -3.44	38.85 -0.57 -3.75	38.89 -0.53 -4.38	43.03 -0.38 -4.98	50.74 -0.50 -5.72	62.09 -0.52 -5.13	50.69 -0.35 -6.75	53.44 -0.52 -6.26	50.64 -0.61 -4.67	44.43 -0.52 -5.06	44.09 -0.61 -4.29	53.06 -0.83 -2.13
NEG CENTRAL___INDECK 23768	37.18 -0.42 -2.24	35.37 -0.50 -2.36	37.74 -0.55 -1.71	37.90 -0.56 -1.29	36.94 -0.36 -1.75	31.78 -0.29 -2.84	35.43 -0.36 -2.95	36.45 -0.43 -3.80	38.23 -0.65 -2.62	37.74 -1.02 -2.29	36.74 -0.99 -5.78	36.28 -1.07 -4.88	38.69 -1.06 -4.31	39.26 -1.11 -4.70	39.54 -0.98 -5.49	43.94 -0.73 -6.24	52.10 -0.59 -7.17	63.39 -0.52 -6.43	52.57 -0.18 -8.45	55.16 -0.38 -7.84	51.96 -0.47 -5.86	45.79 -0.44 -6.34	45.38 -0.40 -5.37	54.31 -0.26 -2.80
NEG CENTRAL___SENECA 23627	36.86 -0.39 -1.89	35.09 -0.40 -1.98	37.54 -0.48 -1.44	37.81 -0.45 -1.08	36.62 -0.39 -1.47	31.39 -0.23 -2.39	35.13 -0.30 -2.59	36.12 -0.30 -3.34	38.09 -0.47 -2.30	37.82 -0.66 -2.01	36.42 -0.61 -5.08	36.14 -0.62 -4.29	38.55 -0.67 -3.78	39.11 -0.68 -4.13	39.26 -0.60 -4.82	43.52 -0.38 -5.48	51.27 -0.55 -6.30	62.60 -0.52 -5.64	51.37 -0.35 -7.42	54.01 -0.57 -6.88	51.06 -0.65 -5.14	44.93 -0.52 -5.57	44.56 -0.57 -4.72	53.24 -0.88 -2.36
NEG CENTRAL___STATE_STREET 24147	36.92 -0.11 -1.67	35.16 -0.10 -1.75	37.67 -0.18 -1.28	37.98 -0.15 -0.96	36.70 -0.14 -1.30	31.29 -0.06 -2.12	35.11 -0.03 -2.31	36.02 -0.03 -2.97	38.20 -0.11 -2.05	38.04 -0.22 -1.79	36.28 -0.19 -4.52	36.09 -0.19 -3.82	38.60 -0.21 -3.37	39.16 -0.18 -3.68	39.19 -0.14 -4.29	43.27 -0.04 -4.88	51.08 -0.05 -5.61	62.56 0.06 -5.02	50.95 0.04 -6.61	53.78 -0.05 -6.13	51.01 -0.14 -4.58	44.60 -0.24 -4.96	44.29 -0.32 -4.20	53.38 -0.47 -2.08
NEG MILLWOOD___DRP 24198	51.72 2.16 -14.21	50.43 1.98 -14.94	49.49 2.05 -10.87	47.45 2.12 -8.16	48.69 2.06 -11.08	49.07 1.81 -18.03	54.56 2.07 -19.66	60.61 2.22 -25.32	56.37 2.68 -17.43	54.43 2.74 -15.23	72.71 2.27 -38.49	67.29 2.31 -32.52	66.64 2.52 -28.68	69.40 2.42 -31.31	73.92 2.35 -36.53	82.78 2.81 -41.54	96.59 3.32 -47.74	104.69 4.43 -42.79	103.98 3.41 -56.27	103.47 3.58 -52.19	88.96 3.40 -38.98	84.95 2.83 -42.24	78.77 2.59 -35.77	72.51 3.00 -17.74
NEG NORTH_FLCN_SEA 23793	33.41 -1.94 0.00	31.64 -1.88 0.00	34.96 -1.61 0.00	35.09 -2.08 0.00	33.52 -2.03 0.00	27.16 -2.08 0.00	30.90 -1.94 0.00	31.69 -1.39 0.00	34.99 -1.27 0.00	35.63 -0.84 0.00	31.05 -0.89 0.00	31.59 -0.88 0.00	34.81 -0.64 0.00	35.09 -0.57 0.00	34.41 -0.63 0.00	37.70 -0.73 0.00	45.70 0.18 0.00	58.11 0.63 0.00	44.39 0.09 0.00	47.99 0.29 0.00	47.50 0.93 0.00	40.40 0.52 0.00	41.10 0.69 0.00	53.63 1.86 0.00
NEG NORTH_KES_CHATEGAY 23792	33.02 -2.33 0.00	31.27 -2.25 0.00	34.56 -2.01 0.00	34.64 -2.53 0.00	33.09 -2.45 0.00	26.80 -2.43 0.00	30.47 -2.36 0.00	31.26 -1.82 0.00	34.52 -1.74 0.00	35.16 -1.31 0.00	30.64 -1.31 0.00	31.20 -1.27 0.00	34.35 -1.10 0.00	34.63 -1.03 0.00	33.95 -1.09 0.00	37.16 -1.27 0.00	45.07 -0.46 0.00	57.25 -0.23 0.00	43.77 -0.53 0.00	47.32 -0.38 0.00	46.85 0.28 0.00	39.84 -0.04 0.00	40.53 0.12 0.00	52.90 1.14 0.00
NEG NORTH___ALICE_FALLS 23915	33.55 -1.80 0.00	31.77 -1.74 0.00	35.15 -1.43 0.00	35.20 -1.97 0.00	33.62 -1.92 0.00	27.24 -1.99 0.00	30.99 -1.84 0.00	31.86 -1.22 0.00	35.17 -1.09 0.00	35.81 -0.66 0.00	31.21 -0.73 0.00	31.76 -0.71 0.00	35.02 -0.43 0.00	35.27 -0.39 0.00	34.62 -0.42 0.00	37.93 -0.50 0.00	46.02 0.50 0.00	58.51 1.03 0.00	44.74 0.44 0.00	48.32 0.62 0.00	47.88 1.30 0.00	40.64 0.76 0.00	41.30 0.89 0.00	53.89 2.12 0.00
NEG NORTH___LWR_SARANAC 23913	33.55 -1.80 0.00	31.77 -1.74 0.00	35.15 -1.43 0.00	35.20 -1.97 0.00	33.62 -1.92 0.00	27.24 -1.99 0.00	30.99 -1.84 0.00	31.86 -1.22 0.00	35.17 -1.09 0.00	35.81 -0.66 0.00	31.21 -0.73 0.00	31.76 -0.71 0.00	35.02 -0.43 0.00	35.27 -0.39 0.00	34.62 -0.42 0.00	37.93 -0.50 0.00	46.02 0.50 0.00	58.51 1.03 0.00	44.74 0.44 0.00	48.32 0.62 0.00	47.88 1.30 0.00	40.64 0.76 0.00	41.30 0.89 0.00	53.89 2.12 0.00
NEG NORTH___PLATTSBURG 23628	33.56 -1.80 0.00	31.77 -1.74 0.00	35.15 -1.43 0.00	35.20 -1.97 0.00	33.62 -1.92 0.00	27.24 -1.99 0.00	30.99 -1.84 0.00	31.86 -1.22 0.00	35.17 -1.09 0.00	35.82 -0.66 0.00	31.22 -0.73 0.00	31.76 -0.71 0.00	35.02 -0.42 0.00	35.27 -0.39 0.00	34.62 -0.42 0.00	37.93 -0.50 0.00	46.11 0.59 0.00	58.39 0.92 0.00	44.65 0.35 0.00	48.18 0.48 0.00	47.74 1.16 0.00	40.72 0.84 0.00	41.30 0.89 0.00	53.89 2.12 0.00
NEG WEST_LEA_LOCKPORT 23791	34.57 -2.69 -1.90	32.83 -2.68 -2.00	35.10 -2.93 -1.45	35.36 -2.90 -1.09	34.43 -2.59 -1.48	29.57 -2.08 -2.41	32.21 -2.79 -2.16	32.56 -3.31 -2.78	34.41 -3.77 -1.92	34.28 -3.87 -1.68	32.89 -3.29 -4.23	32.64 -3.41 -3.58	34.88 -3.72 -3.15	35.40 -3.71 -3.44	35.44 -3.61 -4.02	39.15 -3.84 -4.57	46.08 -4.69 -5.25	55.86 -6.32 -4.70	46.05 -4.43 -6.18	48.38 -5.06 -5.74	45.83 -5.03 -4.29	40.54 -3.99 -4.64	40.71 -3.64 -3.93	50.25 -3.88 -2.37
NEG WEST___LANCASTR 23811	33.94 -3.61 -2.19	32.30 -3.52 -2.31	34.41 -3.84 -1.68	34.56 -3.87 -1.26	33.74 -3.52 -1.71	29.15 -2.86 -2.78	32.08 -3.28 -2.53	33.49 -2.84 -3.26	35.35 -3.15 -2.24	35.08 -3.36 -1.96	33.99 -2.91 -4.95	33.69 -2.95 -4.18	35.87 -3.26 -3.69	36.44 -3.25 -4.03	36.65 -3.08 -4.70	40.62 -3.15 -5.34	48.20 -3.46 -6.13	58.84 -4.14 -5.50	48.34 -3.19 -7.23	50.88 -3.53 -6.71	48.09 -3.49 -5.01	42.08 -3.23 -5.43	41.41 -3.60 -4.60	49.48 -5.02 -2.74
NEG_PENN_ALLEGHNY 23528	39.61 -0.07 -4.33	37.99 -0.07 -4.55	39.81 -0.07 -3.31	39.62 -0.04 -2.48	38.88 -0.04 -3.37	34.72 0.00 -5.49	38.73 0.00 -5.90	40.74 0.07 -7.59	41.52 0.04 -5.23	40.97 -0.07 -4.57	43.40 -0.10 -11.55	42.13 -0.10 -9.75	43.94 -0.11 -8.60	44.98 -0.07 -9.39	45.96 -0.04 -10.96	50.97 0.08 -12.46	60.02 0.18 -14.32	70.60 0.29 -12.84	61.36 0.18 -16.88	63.55 0.19 -15.65	58.41 0.14 -11.69	52.55 0.00 -12.67	51.06 -0.08 -10.73	57.01 -0.15 -5.40
NEG___GEN_MONROE 24207	35.57 -1.38 -1.59	33.77 -1.41 -1.67	36.22 -1.57 -1.21	36.52 -1.56 -0.91	35.43 -1.35 -1.24	30.13 -1.11 -2.01	33.59 -1.44 -2.20	34.06 -1.85 -2.83	36.10 -2.10 -1.95	36.02 -2.15 -1.70	34.43 -1.82 -4.30	34.25 -1.85 -3.63	36.63 -2.02 -3.21	37.06 -2.10 -3.50	37.09 -2.03 -4.08	40.88 -2.19 -4.64	48.26 -2.59 -5.34	58.81 -3.45 -4.78	48.24 -2.35 -6.29	50.82 -2.72 -5.83	48.18 -2.75 -4.36	42.49 -2.11 -4.72	42.47 -1.94 -4.00	51.83 -1.92 -1.98

NEPA__ENERGY 23901	34.84 -2.62 -2.09	33.10 -2.61 -2.20	35.36 -2.82 -1.60	35.62 -2.75 -1.20	34.80 -2.38 -1.63	29.96 -1.93 -2.66	32.73 -2.46 -2.36	33.41 -2.71 -3.04	35.27 -3.08 -2.09	35.09 -3.21 -1.83	33.82 -2.75 -4.62	33.54 -2.82 -3.90	35.80 -3.08 -3.44	36.31 -3.10 -3.76	36.51 -2.91 -4.38	40.37 -3.04 -4.98	47.65 -3.60 -5.72	58.07 -4.54 -5.13	47.81 -3.23 -6.74	50.24 -3.72 -6.26	47.57 -3.68 -4.67	41.96 -2.99 -5.06	41.91 -2.79 -4.29	51.22 -3.16 -2.62
NEVERSink__HYD 23608	49.64 1.94 -12.34	48.26 1.77 -12.98	47.84 1.83 -9.44	46.15 1.89 -7.09	47.02 1.85 -9.63	46.47 1.58 -15.66	51.78 1.87 -17.07	57.05 1.98 -21.99	53.68 2.29 -15.13	51.92 2.23 -13.22	67.13 1.76 -33.43	62.43 1.72 -28.24	62.16 1.81 -24.91	64.64 1.78 -27.19	68.59 1.82 -31.73	76.85 2.34 -36.08	89.99 3.00 -41.46	98.66 4.02 -37.16	96.31 3.15 -48.87	96.27 3.25 -45.33	83.55 3.12 -33.86	79.15 2.59 -36.68	73.82 2.34 -31.07	69.71 2.54 -15.41
NEWKRMKL_115KV_TB1 55635	52.74 0.57 -16.82	51.73 0.54 -17.69	50.03 0.59 -12.87	47.38 0.56 -9.66	49.23 0.57 -13.12	51.04 0.47 -21.35	56.61 0.49 -23.29	63.53 0.46 -29.99	57.52 0.62 -20.64	55.16 0.66 -18.04	78.50 0.96 -45.59	71.99 1.01 -38.52	70.52 1.10 -33.97	73.86 1.11 -37.09	79.40 1.09 -43.27	88.40 0.77 -49.21	102.98 0.91 -56.55	109.31 1.15 -50.69	111.84 0.89 -66.65	110.43 0.91 -61.82	93.68 0.93 -46.18	90.71 0.80 -50.03	83.92 1.13 -42.37	74.42 1.66 -21.00
NEWTON__FALLS_HYD 23847	34.14 -1.63 -0.41	32.37 -1.58 -0.43	35.35 -1.54 -0.32	35.62 -1.78 -0.24	34.09 -1.78 -0.32	28.03 -1.72 -0.52	31.76 -1.64 -0.57	32.66 -1.16 -0.74	35.64 -1.12 -0.51	36.00 -0.91 -0.44	32.14 -0.93 -1.12	32.47 -0.94 -0.95	35.39 -0.89 -0.83	35.75 -0.82 -0.91	35.26 -0.84 -1.06	38.68 -0.96 -1.21	46.50 -0.41 -1.39	58.55 -0.17 -1.24	45.58 -0.35 -1.64	49.27 0.05 -1.52	48.12 0.42 -1.13	41.19 0.08 -1.23	41.41 -0.04 -1.04	52.59 0.31 -0.52
NGRID_A1_DSASP 323792	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.83 -3.22 -1.48	35.01 -3.27 -1.11	34.14 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.32 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.31 -4.15 -3.02	34.82 -4.14 -3.29	34.88 -4.00 -3.84	38.30 -4.50 -4.37	44.80 -5.74 -5.02	54.67 -7.30 -4.50	44.85 -5.36 -5.91	47.08 -6.11 -5.48	44.75 -5.92 -4.10	39.53 -4.79 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
NGRID_A2_DSASP 323793	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.83 -3.22 -1.48	35.01 -3.27 -1.11	34.14 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.32 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.31 -4.15 -3.02	34.82 -4.14 -3.29	34.88 -4.00 -3.84	38.30 -4.50 -4.37	44.80 -5.74 -5.02	54.67 -7.30 -4.50	44.85 -5.36 -5.91	47.08 -6.11 -5.48	44.75 -5.92 -4.10	39.53 -4.79 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
NGRID_A4_DSASP 323807	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.83 -3.22 -1.48	35.01 -3.27 -1.11	34.14 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.32 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.31 -4.15 -3.02	34.82 -4.14 -3.29	34.88 -4.00 -3.84	38.30 -4.50 -4.37	44.80 -5.74 -5.02	54.67 -7.30 -4.50	44.85 -5.36 -5.91	47.08 -6.11 -5.48	44.75 -5.92 -4.10	39.53 -4.79 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
NIAGARA_115E_LBMP 323715	34.04 -3.25 -1.94	32.33 -3.22 -2.04	34.58 -3.48 -1.48	34.82 -3.46 -1.11	33.89 -3.16 -1.51	29.17 -2.51 -2.46	31.66 -3.31 -2.14	31.90 -3.94 -2.76	33.73 -4.42 -1.90	33.61 -4.52 -1.66	32.27 -3.87 -4.19	32.01 -4.00 -3.54	34.28 -4.29 -3.12	34.79 -4.28 -3.41	34.88 -4.13 -3.97	38.34 -4.61 -4.52	44.84 -5.87 -5.19	54.72 -7.41 -4.65	44.97 -5.45 -6.12	47.18 -6.20 -5.67	44.80 -6.01 -4.24	39.57 -4.91 -4.59	39.90 -4.40 -3.89	49.42 -4.76 -2.42
NIAGARA_115W_LBMP 323714	34.21 -3.08 -1.93	32.52 -3.02 -2.03	34.76 -3.29 -1.48	34.93 -3.35 -1.11	34.06 -2.99 -1.50	29.28 -2.40 -2.45	31.68 -3.22 -2.06	31.86 -3.87 -2.65	33.70 -4.39 -1.83	33.62 -4.45 -1.60	32.21 -3.77 -4.03	31.94 -3.93 -3.40	34.23 -4.22 -3.00	34.73 -4.21 -3.28	34.80 -4.06 -3.82	38.20 -4.57 -4.35	44.69 -5.83 -4.99	54.54 -7.41 -4.48	44.73 -5.45 -5.89	46.96 -6.20 -5.46	44.64 -6.01 -4.08	39.43 -4.87 -4.42	39.79 -4.37 -3.74	49.57 -4.61 -2.41
NIAGARA_230_LBMP 323716	34.43 -2.83 -1.90	32.73 -2.78 -2.00	35.00 -3.04 -1.46	35.21 -3.05 -1.09	34.29 -2.74 -1.49	29.46 -2.19 -2.42	31.93 -2.89 -1.98	32.09 -3.54 -2.55	34.03 -3.99 -1.76	33.96 -4.05 -1.54	32.37 -3.45 -3.87	32.17 -3.57 -3.27	34.51 -3.83 -2.89	35.00 -3.82 -3.15	35.00 -3.71 -3.68	38.46 -4.15 -4.18	45.00 -5.33 -4.80	55.00 -6.78 -4.31	45.00 -4.96 -5.66	47.33 -5.63 -5.25	45.00 -5.50 -3.92	39.67 -4.47 -4.25	40.05 -3.96 -3.60	50.00 -4.14 -2.38
NIAGARA__115KV_198_GIBSON 55903	34.21 -3.08 -1.93	32.52 -3.02 -2.03	34.76 -3.29 -1.48	34.97 -3.31 -1.11	34.06 -2.99 -1.50	29.28 -2.40 -2.45	31.68 -3.22 -2.06	31.86 -3.87 -2.65	33.70 -4.39 -1.83	33.62 -4.45 -1.60	32.18 -3.80 -4.03	31.94 -3.93 -3.40	34.16 -4.29 -3.00	34.62 -4.32 -3.28	34.69 -4.17 -3.82	38.24 -4.53 -4.35	44.92 -5.60 -4.99	54.42 -7.53 -4.48	44.82 -5.36 -5.89	47.06 -6.11 -5.46	44.64 -6.01 -4.08	39.56 -4.75 -4.42	39.79 -4.36 -3.74	49.57 -4.61 -2.41
NIAGARA____ 23760	34.46 -2.83 -1.93	32.76 -2.78 -2.03	35.02 -3.04 -1.48	35.23 -3.05 -1.11	34.31 -2.74 -1.51	29.49 -2.19 -2.45	32.04 -2.89 -2.09	32.19 -3.54 -2.65	34.10 -3.99 -1.83	34.02 -4.05 -1.60	32.53 -3.45 -4.03	32.30 -3.57 -3.41	34.62 -3.83 -3.00	35.13 -3.82 -3.28	35.15 -3.71 -3.83	38.62 -4.15 -4.34	45.17 -5.33 -4.97	55.14 -6.78 -4.44	45.19 -4.96 -5.85	47.50 -5.63 -5.42	45.13 -5.50 -4.05	39.82 -4.47 -4.40	40.20 -3.96 -3.75	50.03 -4.14 -2.41
NINE_MILE_1 23575	35.14 -1.03 -0.81	33.39 -0.97 -0.85	36.10 -1.10 -0.62	36.52 -1.11 -0.47	35.14 -1.03 -0.63	29.41 -0.85 -1.03	33.00 -0.95 -1.12	33.47 -1.06 -1.45	35.98 -1.27 -1.00	36.03 -1.31 -0.87	33.03 -1.12 -2.20	33.19 -1.14 -1.86	35.84 -1.24 -1.64	36.20 -1.25 -1.79	35.90 -1.23 -2.09	39.42 -1.38 -2.37	46.52 -1.73 -2.73	57.74 -2.18 -2.45	45.88 -1.64 -3.22	48.87 -1.81 -2.98	47.03 -1.77 -2.23	40.78 -1.52 -2.41	40.92 -1.54 -2.04	50.86 -1.91 -1.01
NINE_MILE_2 23744	35.14 -1.03 -0.81	33.39 -0.97 -0.85	36.10 -1.10 -0.62	36.52 -1.11 -0.47	35.14 -1.03 -0.63	29.44 -0.82 -1.03	33.00 -0.95 -1.12	33.46 -1.06 -1.44	35.98 -1.27 -0.99	36.03 -1.31 -0.87	33.03 -1.12 -2.20	33.19 -1.14 -1.85	35.84 -1.24 -1.64	36.20 -1.25 -1.79	35.89 -1.23 -2.08	39.42 -1.38 -2.37	46.51 -1.73 -2.72	57.79 -2.13 -2.44	45.87 -1.64 -3.21	48.87 -1.81 -2.98	47.03 -1.77 -2.22	40.78 -1.52 -2.41	40.92 -1.54 -2.04	50.86 -1.91 -1.01
NM_CAPITAL__DRP 24208	52.84 0.71 -16.78	51.82 0.67 -17.64	50.14 0.73 -12.84	47.51 0.71 -9.64	49.34 0.71 -13.08	51.11 0.58 -21.29	56.69 0.62 -23.23	63.59 0.60 -29.92	57.61 0.76 -20.59	55.27 0.80 -17.99	78.42 0.99 -45.48	71.93 1.04 -38.42	70.47 1.13 -33.89	73.80 1.14 -37.00	79.36 1.16 -43.17	88.40 0.88 -49.08	103.03 1.09 -56.41	109.42 1.38 -50.56	111.81 1.02 -66.49	110.47 1.10 -61.67	93.71 1.07 -46.06	90.75 0.96 -49.91	83.93 1.25 -42.27	74.42 1.71 -20.95

NM_CENTRAL___DRP 24181	36.14 -0.39 -1.17	34.37 -0.37 -1.23	37.03 -0.44 -0.89	37.43 -0.41 -0.67	36.06 -0.39 -0.91	30.42 -0.29 -1.48	34.12 -0.33 -1.62	34.77 -0.40 -2.08	37.15 -0.54 -1.43	37.14 -0.58 -1.25	34.60 -0.51 -3.17	34.62 -0.52 -2.67	37.24 -0.57 -2.36	37.67 -0.57 -2.58	37.52 -0.53 -3.00	41.31 -0.54 -3.42	48.77 -0.68 -3.93	60.13 -0.86 -3.52	48.26 -0.66 -4.63	51.23 -0.76 -4.29	48.99 -0.79 -3.21	42.64 -0.72 -3.47	42.59 -0.77 -2.94	52.24 -0.98 -1.46
NM_FRONTIER___DRP 24179	34.21 -3.08 -1.93	32.52 -3.02 -2.03	34.76 -3.29 -1.48	34.97 -3.31 -1.11	34.06 -2.99 -1.50	29.28 -2.40 -2.45	31.68 -3.22 -2.06	31.86 -3.87 -2.65	33.70 -4.39 -1.83	33.62 -4.45 -1.60	32.18 -3.80 -4.03	31.94 -3.93 -3.40	34.16 -4.29 -3.00	34.62 -4.32 -3.28	34.69 -4.17 -3.82	38.24 -4.53 -4.35	44.92 -5.60 -4.99	54.42 -7.53 -4.48	44.82 -5.36 -5.89	47.06 -6.11 -5.46	44.64 -6.01 -4.08	39.56 -4.75 -4.42	39.79 -4.36 -3.74	49.57 -4.61 -2.41
NM_ST_REGIS___HYD 24053	33.62 -2.02 -0.28	31.86 -1.94 -0.29	35.03 -1.76 -0.21	35.14 -2.19 -0.16	33.59 -2.17 -0.22	27.39 -2.19 -0.35	31.15 -2.07 -0.39	32.09 -1.49 -0.50	35.26 -1.34 -0.34	35.79 -0.98 -0.30	31.68 -1.02 -0.76	32.14 -0.97 -0.64	35.19 -0.82 -0.56	35.53 -0.75 -0.62	34.91 -0.84 -0.72	38.25 -1.00 -0.82	46.23 -0.23 -0.94	58.43 0.11 -0.84	45.18 -0.22 -1.11	48.73 0.00 -1.03	47.94 0.61 -0.77	40.91 0.20 -0.83	41.36 0.24 -0.70	53.20 1.09 -0.35
NORTHPORT___1 23551	53.21 2.12 -15.74	50.35 2.01 -14.83	49.22 1.86 -10.78	47.45 2.19 -8.09	48.59 2.06 -10.99	48.96 1.84 -17.89	54.65 2.23 -19.58	60.51 2.31 -25.12	56.12 2.57 -17.29	54.09 2.51 -15.10	71.75 1.63 -38.17	66.53 1.82 -32.24	65.62 1.74 -28.44	68.53 1.82 -31.05	72.98 1.72 -36.23	82.17 2.54 -41.20	117.90 3.19 -69.20	139.49 3.96 -78.05	126.67 3.19 -79.18	115.78 3.34 -64.73	109.79 3.31 -59.92	99.93 2.67 -57.38	78.40 2.51 -35.48	72.20 2.85 -17.59
NORTHPORT___2 23552	53.21 2.12 -15.74	50.35 2.01 -14.83	49.22 1.86 -10.78	47.45 2.19 -8.09	48.59 2.06 -10.99	48.96 1.84 -17.89	54.65 2.23 -19.58	60.51 2.31 -25.12	56.12 2.57 -17.29	54.09 2.51 -15.10	71.75 1.63 -38.17	66.53 1.82 -32.24	65.62 1.74 -28.44	68.53 1.82 -31.05	72.98 1.72 -36.23	82.17 2.54 -41.20	117.90 3.19 -69.20	139.49 3.96 -78.05	126.67 3.19 -79.18	115.78 3.34 -64.73	109.79 3.31 -59.92	99.93 2.67 -57.38	78.40 2.51 -35.48	72.20 2.85 -17.59
NORTHPORT___3 23553	53.73 2.62 -15.76	50.82 2.48 -14.83	49.80 2.45 -10.78	47.97 2.71 -8.09	49.13 2.59 -10.99	49.37 2.25 -17.89	54.99 2.56 -19.59	60.88 2.68 -25.13	56.63 3.08 -17.29	54.71 3.14 -15.10	72.32 2.20 -38.17	67.12 2.40 -32.24	66.26 2.38 -28.44	69.17 2.46 -31.05	73.58 2.31 -36.23	82.72 3.08 -41.21	118.57 3.64 -69.40	140.40 4.60 -78.32	127.33 3.63 -79.40	116.43 3.86 -64.86	110.42 3.73 -60.12	100.52 3.11 -57.53	79.02 3.11 -35.49	72.98 3.62 -17.59
NORTHPORT___4 23650	53.73 2.62 -15.76	50.82 2.48 -14.83	49.80 2.45 -10.78	47.97 2.71 -8.09	49.13 2.59 -10.99	49.37 2.25 -17.89	54.99 2.56 -19.59	60.88 2.68 -25.13	56.63 3.08 -17.29	54.71 3.14 -15.10	72.32 2.20 -38.17	67.12 2.40 -32.24	66.26 2.38 -28.44	69.17 2.46 -31.05	73.58 2.31 -36.23	82.72 3.08 -41.21	118.57 3.64 -69.40	140.40 4.60 -78.32	127.33 3.63 -79.40	116.43 3.86 -64.86	110.42 3.73 -60.12	100.52 3.11 -57.53	79.02 3.11 -35.49	72.98 3.62 -17.59
NORTHPORT___IC 23718	53.21 2.12 -15.74	50.35 2.01 -14.83	49.22 1.87 -10.78	47.30 2.04 -8.09	48.59 2.06 -10.99	48.96 1.84 -17.89	54.65 2.23 -19.58	60.45 2.25 -25.12	56.12 2.57 -17.29	54.09 2.52 -15.10	71.75 1.63 -38.17	66.53 1.82 -32.24	65.66 1.77 -28.44	68.57 1.85 -31.05	73.02 1.75 -36.23	82.21 2.57 -41.20	117.81 3.10 -69.20	139.49 3.97 -78.05	126.53 3.06 -79.18	115.63 3.20 -64.73	109.65 3.17 -59.92	99.85 2.59 -57.38	78.32 2.42 -35.48	72.15 2.80 -17.59
NORTH___COUNTRY_ESR 323785	32.88 -2.48 0.00	31.17 -2.35 0.00	34.42 -2.16 0.00	34.53 -2.64 0.00	32.95 -2.59 0.00	26.69 -2.54 0.00	30.34 -2.50 0.00	31.13 -1.95 0.00	34.37 -1.89 0.00	35.05 -1.42 0.00	30.51 -1.44 0.00	31.07 -1.40 0.00	34.20 -1.24 0.00	34.52 -1.14 0.00	33.81 -1.23 0.00	37.01 -1.42 0.00	44.93 -0.59 0.00	56.90 -0.57 0.00	43.46 -0.84 0.00	46.94 -0.77 0.00	46.48 -0.09 0.00	39.72 -0.16 0.00	40.37 -0.04 0.00	52.70 0.93 0.00
NPX_GEN_1385_PROXY 323591	53.04 1.94 -15.74	50.28 1.94 -14.83	49.00 1.65 -10.78	47.45 2.19 -8.09	48.38 1.85 -10.99	49.02 1.90 -17.89	55.01 2.59 -19.58	60.85 2.65 -25.12	56.23 2.68 -17.29	53.87 2.30 -15.10	71.59 1.47 -38.17	66.37 1.66 -32.24	65.48 1.60 -28.44	68.43 1.71 -31.05	72.88 1.61 -36.23	82.02 2.38 -41.20	117.54 2.82 -69.20	138.63 3.10 -78.05	126.18 2.70 -79.18	115.06 2.62 -64.73	109.56 3.07 -59.92	99.85 2.59 -57.38	78.36 2.47 -35.48	72.10 2.74 -17.59
NPX_GEN_CSC 323557	53.77 2.65 -15.76	51.05 2.71 -14.83	49.59 2.23 -10.78	48.12 2.86 -8.09	49.27 2.74 -10.99	49.52 2.40 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.45 2.88 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.69 1.81 -28.44	68.67 1.96 -31.05	73.19 1.93 -36.23	82.59 2.96 -41.21	118.95 3.92 -69.51	140.74 4.71 -78.55	127.49 3.67 -79.51	116.82 4.20 -64.92	110.84 4.05 -60.22	100.75 3.27 -57.60	78.93 3.03 -35.48	72.88 3.52 -17.59
NSINS_S___GLNS_FALLS 23858	55.07 2.48 -17.24	53.95 2.31 -18.13	52.21 2.45 -13.19	49.48 2.42 -9.90	51.44 2.45 -13.44	53.18 2.08 -21.88	59.03 2.33 -23.87	66.20 2.38 -30.74	60.17 2.76 -21.16	57.62 2.66 -18.49	80.21 1.53 -46.73	73.40 1.46 -39.47	71.93 1.67 -34.82	75.24 1.57 -38.01	80.93 1.54 -44.35	90.82 1.96 -50.43	105.98 2.50 -57.96	112.70 3.28 -51.95	115.14 2.53 -68.31	113.69 2.62 -63.36	96.41 2.51 -47.33	93.15 1.99 -51.27	85.86 2.02 -43.43	75.82 2.54 -21.52
NUCOR_STEEL___DRP 24197	36.88 -0.07 -1.60	35.12 -0.07 -1.68	37.69 -0.11 -1.22	38.01 -0.07 -0.92	36.72 -0.07 -1.25	31.26 0.00 -2.03	35.04 0.00 -2.21	35.90 -0.03 -2.85	38.07 -0.15 -1.96	37.97 -0.22 -1.71	36.09 -0.19 -4.33	35.93 -0.19 -3.66	38.46 -0.21 -3.23	38.97 -0.21 -3.52	38.97 -0.18 -4.11	43.03 -0.08 -4.67	50.80 -0.09 -5.37	62.23 -0.06 -4.81	50.59 -0.04 -6.33	53.48 -0.10 -5.87	50.77 -0.19 -4.39	44.40 -0.24 -4.75	44.11 -0.32 -4.02	53.35 -0.41 -1.99
NUMBER_THREE_WT_PWR 323818	35.07 -0.78 -0.49	33.26 -0.77 -0.52	36.11 -0.84 -0.38	36.56 -0.89 -0.28	35.00 -0.92 -0.39	28.98 -0.88 -0.63	32.73 -0.79 -0.68	33.53 -0.43 -0.88	36.47 -0.40 -0.61	36.67 -0.33 -0.53	32.87 -0.42 -1.34	33.18 -0.42 -1.13	36.05 -0.39 -1.00	36.39 -0.36 -1.09	35.96 -0.35 -1.27	39.53 -0.35 -1.45	47.23 0.05 -1.66	59.25 0.29 -1.49	46.35 0.09 -1.96	50.38 0.86 -1.82	48.86 0.93 -1.36	41.99 0.64 -1.47	42.06 0.40 -1.24	52.90 0.52 -0.62
NYISO_LBMP_REFERENCE 24008	35.36 0.00 0.00	33.51 0.00 0.00	36.57 0.00 0.00	37.17 0.00 0.00	35.54 0.00 0.00	29.23 0.00 0.00	32.83 0.00 0.00	33.08 0.00 0.00	36.26 0.00 0.00	36.47 0.00 0.00	31.95 0.00 0.00	32.47 0.00 0.00	35.45 0.00 0.00	35.66 0.00 0.00	35.04 0.00 0.00	38.43 0.00 0.00	45.52 0.00 0.00	57.48 0.00 0.00	44.30 0.00 0.00	47.70 0.00 0.00	46.57 0.00 0.00	39.88 0.00 0.00	40.41 0.00 0.00	51.76 0.00 0.00

NYPA_BRENTWD____GT 24164	53.80 2.65 -15.79	50.82 2.48 -14.83	49.70 2.34 -10.78	47.94 2.68 -8.09	49.06 2.52 -10.99	49.37 2.25 -17.89	55.08 2.66 -19.59	60.91 2.71 -25.12	56.56 3.01 -17.29	54.56 2.99 -15.10	72.10 1.98 -38.17	66.95 2.24 -32.24	66.01 2.13 -28.44	68.96 2.25 -31.05	73.44 2.17 -36.23	82.71 3.08 -41.21	119.31 3.92 -69.88	141.62 4.94 -79.20	128.15 3.94 -79.91	116.99 4.15 -65.14	111.16 4.01 -60.58	101.01 3.27 -57.86	78.97 3.07 -35.48	72.93 3.57 -17.59
NYPA_GOWANUS____GT5 24156	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
NYPA_GOWANUS____GT6 24157	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.68 2.14 -17.28	53.87 2.30 -15.10	72.10 1.98 -38.17	66.72 2.01 -32.24	65.62 1.74 -28.44	68.24 1.53 -31.05	72.66 1.40 -36.22	75.19 1.84 -34.91	78.75 2.64 -30.59	86.80 3.62 -25.70	84.63 2.88 -37.45	84.03 2.91 -33.42	74.08 2.61 -24.90	74.21 2.31 -32.02	78.14 2.26 -35.47	71.48 2.12 -17.59
NYPA_HARLEM__RVR__GT1 24160	51.28 1.84 -14.09	49.93 1.61 -14.81	48.92 1.57 -10.78	46.97 1.71 -8.09	48.06 1.53 -10.99	48.39 1.28 -17.88	53.80 1.48 -19.49	59.63 1.45 -25.10	55.45 1.92 -17.27	53.68 2.11 -15.09	72.06 1.95 -38.16	66.72 2.01 -32.23	65.82 1.95 -28.43	68.45 1.75 -31.04	72.87 1.61 -36.22	81.61 2.00 -41.18	95.40 2.55 -47.33	103.35 3.45 -42.42	102.83 2.75 -55.79	102.26 2.81 -51.74	87.73 2.51 -38.65	84.03 2.27 -41.88	78.35 2.47 -35.47	72.21 2.85 -17.60
NYPA_HARLEM__RVR__GT2 24161	51.28 1.84 -14.09	49.93 1.61 -14.81	48.92 1.57 -10.78	46.97 1.71 -8.09	48.06 1.53 -10.99	48.39 1.28 -17.88	53.80 1.48 -19.49	59.63 1.45 -25.10	55.45 1.92 -17.27	53.68 2.11 -15.09	72.06 1.95 -38.16	66.72 2.01 -32.23	65.82 1.95 -28.43	68.45 1.75 -31.04	72.87 1.61 -36.22	81.61 2.00 -41.18	95.40 2.55 -47.33	103.35 3.45 -42.42	102.83 2.75 -55.79	102.26 2.81 -51.74	87.73 2.51 -38.65	84.03 2.27 -41.88	78.35 2.47 -35.47	72.21 2.85 -17.60
NYPA_KENT____GT 24152	51.39 1.94 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.60 1.49 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.91 2.34 -15.10	72.16 2.05 -38.17	66.79 2.08 -32.24	65.80 1.91 -28.44	68.42 1.71 -31.05	72.84 1.58 -36.22	81.62 2.00 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.11 2.35 -41.88	78.22 2.34 -35.47	71.69 2.33 -17.59
NYPA_POUCH1____GT 24155	51.32 1.87 -14.09	49.93 1.61 -14.81	48.96 1.61 -10.78	46.93 1.67 -8.09	48.13 1.60 -10.99	48.48 1.37 -17.88	53.97 1.64 -19.49	59.77 1.59 -25.10	55.57 2.03 -17.28	53.72 2.15 -15.10	71.97 1.85 -38.17	66.59 1.88 -32.24	65.26 1.38 -28.44	67.92 1.21 -31.05	72.31 1.05 -36.22	81.08 1.46 -41.19	95.27 2.41 -47.34	103.24 3.33 -42.43	102.75 2.66 -55.79	102.12 2.67 -51.75	87.60 2.37 -38.66	83.91 2.15 -41.88	77.98 2.10 -35.47	71.01 1.66 -17.59
NYPA_VERNON____GT2 24162	51.39 1.94 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.60 1.49 -17.88	54.07 1.74 -19.49	59.93 1.75 -25.10	55.75 2.21 -17.28	53.91 2.34 -15.10	72.19 2.08 -38.17	66.82 2.11 -32.24	65.94 2.06 -28.44	68.60 1.89 -31.05	72.98 1.72 -36.22	81.77 2.15 -41.19	95.64 2.78 -47.34	103.59 3.68 -42.43	103.02 2.92 -55.79	102.46 3.01 -51.75	87.97 2.75 -38.66	84.15 2.39 -41.88	78.22 2.34 -35.47	71.89 2.54 -17.59
NYPA_VERNON____GT3 24163	51.39 1.94 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.60 1.49 -17.88	54.07 1.74 -19.49	59.93 1.75 -25.10	55.75 2.21 -17.28	53.91 2.34 -15.10	72.19 2.08 -38.17	66.82 2.11 -32.24	65.94 2.06 -28.44	68.60 1.89 -31.05	72.98 1.72 -36.22	81.77 2.15 -41.19	95.64 2.78 -47.34	103.59 3.68 -42.43	103.02 2.92 -55.79	102.46 3.01 -51.75	87.97 2.75 -38.66	84.15 2.39 -41.88	78.22 2.34 -35.47	71.89 2.54 -17.59
NYPA__ASTORIA_CC1 323568	51.32 1.87 -14.09	50.00 1.67 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	65.90 2.02 -28.44	68.56 1.85 -31.05	72.94 1.68 -36.22	81.73 2.11 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.22 2.34 -35.47	71.89 2.54 -17.59
NYPA__ASTORIA_CC2 323569	51.32 1.87 -14.09	50.00 1.67 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.54 1.43 -17.88	54.00 1.67 -19.49	59.83 1.65 -25.10	55.64 2.10 -17.28	53.83 2.26 -15.10	72.13 2.01 -38.17	66.79 2.08 -32.24	65.90 2.02 -28.44	68.56 1.85 -31.05	72.94 1.68 -36.22	81.73 2.11 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.88 2.65 -38.66	84.07 2.31 -41.88	78.22 2.34 -35.47	71.89 2.54 -17.59
NYPA__HOLTSVILL 23794	53.59 2.47 -15.76	50.72 2.38 -14.83	49.51 2.16 -10.78	47.82 2.56 -8.09	48.95 2.42 -10.99	49.25 2.13 -17.89	54.98 2.56 -19.59	60.81 2.61 -25.12	56.38 2.83 -17.29	54.38 2.81 -15.10	71.91 1.79 -38.17	66.73 2.01 -32.24	65.80 1.91 -28.44	68.75 2.03 -31.05	73.19 1.93 -36.23	82.48 2.84 -41.20	118.64 3.64 -69.47	140.57 4.60 -78.49	127.41 3.63 -79.48	116.52 3.91 -64.90	110.53 3.77 -60.19	100.53 3.07 -57.57	78.77 2.87 -35.48	72.67 3.32 -17.59
NYPA__HELLGATE_GT1 24158	51.28 1.84 -14.09	49.93 1.61 -14.81	48.92 1.57 -10.78	46.97 1.71 -8.09	48.06 1.53 -10.99	48.39 1.28 -17.88	53.76 1.44 -19.49	59.63 1.45 -25.10	55.49 1.96 -17.27	53.68 2.11 -15.09	72.06 1.95 -38.16	66.72 2.01 -32.23	65.82 1.95 -28.43	68.48 1.78 -31.04	72.87 1.61 -36.22	81.61 2.00 -41.18	95.44 2.59 -47.33	103.40 3.51 -42.42	102.83 2.75 -55.79	102.26 2.81 -51.74	87.78 2.56 -38.65	84.03 2.27 -41.88	78.35 2.47 -35.47	72.21 2.85 -17.60
NYPA__HELLGATE_GT2 24159	51.28 1.84 -14.09	49.93 1.61 -14.81	48.92 1.57 -10.78	46.97 1.71 -8.09	48.06 1.53 -10.99	48.39 1.28 -17.88	53.76 1.44 -19.49	59.63 1.45 -25.10	55.49 1.96 -17.27	53.68 2.11 -15.09	72.06 1.95 -38.16	66.72 2.01 -32.23	65.82 1.95 -28.43	68.48 1.78 -31.04	72.87 1.61 -36.22	81.61 2.00 -41.18	95.44 2.59 -47.33	103.40 3.51 -42.42	102.83 2.75 -55.79	102.26 2.81 -51.74	87.78 2.56 -38.65	84.03 2.27 -41.88	78.35 2.47 -35.47	72.21 2.85 -17.60
NYS_BARGE__HYD 23848	34.55 -2.69 -1.88	32.81 -2.68 -1.98	35.09 -2.93 -1.44	35.35 -2.90 -1.08	34.42 -2.59 -1.47	29.55 -2.07 -2.39	32.21 -2.79 -2.17	32.56 -3.31 -2.79	34.44 -3.73 -1.92	34.28 -3.87 -1.68	32.92 -3.26 -4.23	32.64 -3.41 -3.58	34.95 -3.65 -3.16	35.47 -3.64 -3.45	35.59 -3.47 -4.02	39.12 -3.88 -4.57	45.86 -4.92 -5.25	55.97 -6.21 -4.71	45.97 -4.52 -6.19	48.29 -5.15 -5.74	45.83 -5.03 -4.29	40.42 -4.11 -4.65	40.67 -3.68 -3.94	50.23 -3.88 -2.35

OAK ORCHARD___HYD 24046	35.73 -1.20 -1.57	33.93 -1.24 -1.65	36.42 -1.35 -1.20	36.70 -1.37 -0.90	35.56 -1.21 -1.23	30.23 -0.99 -2.00	33.76 -1.28 -2.21	34.27 -1.65 -2.85	36.30 -1.92 -1.96	36.18 -2.01 -1.71	34.62 -1.66 -4.33	34.40 -1.72 -3.66	36.86 -1.81 -3.23	37.40 -1.78 -3.52	37.43 -1.72 -4.11	41.18 -1.92 -4.67	48.43 -2.46 -5.37	59.13 -3.16 -4.81	48.41 -2.21 -6.33	51.00 -2.58 -5.87	48.39 -2.56 -4.38	42.60 -2.03 -4.75	42.62 -1.82 -4.02	51.92 -1.81 -1.96
OAKDALE___35_KV_LOAD 356122	39.56 -0.11 -4.30	37.97 -0.07 -4.53	39.79 -0.07 -3.29	39.57 -0.07 -2.47	38.83 -0.07 -3.36	34.66 -0.03 -5.46	38.66 -0.03 -5.86	40.63 0.00 -7.55	41.42 -0.04 -5.20	40.90 -0.11 -4.54	43.30 -0.13 -11.48	42.03 -0.13 -9.69	43.89 -0.11 -8.55	44.89 -0.11 -9.34	45.86 -0.07 -10.89	50.85 0.04 -12.38	59.85 0.09 -14.23	70.41 0.17 -12.76	61.16 0.09 -16.78	63.36 0.10 -15.56	58.24 0.05 -11.62	52.43 -0.04 -12.59	50.96 -0.12 -10.66	56.93 -0.21 -5.37
OCC_CHEM___DRP 24175	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.80 -3.26 -1.48	35.01 -3.27 -1.11	34.13 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.31 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.24 -4.22 -3.02	34.71 -4.24 -3.29	34.78 -4.10 -3.84	38.34 -4.46 -4.37	45.03 -5.51 -5.02	54.56 -7.41 -4.50	44.94 -5.27 -5.91	47.18 -6.01 -5.48	44.75 -5.91 -4.10	39.66 -4.67 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
OH_GEN_PROXY 24063	30.69 -2.83 1.84	26.20 -2.78 4.53	26.20 -3.00 7.38	26.20 -3.05 7.92	26.20 -2.74 6.61	29.10 -2.22 -2.09	29.50 -2.89 0.44	32.32 -3.44 -2.68	34.19 -3.92 -1.85	34.11 -3.97 -1.61	32.63 -3.39 -4.07	32.40 -3.51 -3.44	34.72 -3.76 -3.03	35.23 -3.74 -3.31	35.20 -3.64 -3.81	37.13 -4.07 -2.77	43.15 -5.19 -2.82	43.10 -6.61 7.77	42.93 -4.83 -3.46	43.03 -5.48 -0.81	40.60 -5.35 0.62	40.00 -4.35 -4.46	37.69 -3.88 -1.16	32.25 -4.14 15.37
OLIN_CORP_DRP 24177	34.16 -3.15 -1.95	32.44 -3.12 -2.05	34.66 -3.40 -1.49	34.90 -3.38 -1.12	34.01 -3.06 -1.52	29.25 -2.46 -2.47	31.73 -3.15 -2.15	32.01 -3.84 -2.77	33.81 -4.35 -1.91	33.73 -4.41 -1.67	32.38 -3.77 -4.21	32.13 -3.90 -3.55	34.33 -4.25 -3.13	34.80 -4.28 -3.42	34.86 -4.17 -3.99	38.47 -4.50 -4.54	45.23 -5.51 -5.21	54.79 -7.36 -4.67	45.17 -5.27 -6.14	47.44 -5.96 -5.70	44.96 -5.87 -4.26	39.83 -4.67 -4.61	40.00 -4.32 -3.91	49.59 -4.61 -2.43
OLIN_CORP_DSASP 323712	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.83 -3.22 -1.48	35.01 -3.27 -1.11	34.14 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.32 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.31 -4.15 -3.02	34.82 -4.14 -3.29	34.88 -4.00 -3.84	38.30 -4.50 -4.37	44.80 -5.74 -5.02	54.67 -7.30 -4.50	44.85 -5.36 -5.91	47.08 -6.11 -5.48	44.75 -5.92 -4.10	39.53 -4.79 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
ONEIDA_HERK_LFGE 323681	35.92 0.14 -0.42	34.08 0.13 -0.44	37.00 0.11 -0.32	37.52 0.11 -0.24	35.94 0.07 -0.32	29.76 0.00 -0.53	33.51 0.10 -0.58	34.19 0.36 -0.74	37.24 0.47 -0.51	37.39 0.47 -0.45	33.43 0.35 -1.13	33.78 0.36 -0.95	36.71 0.43 -0.84	37.04 0.46 -0.92	36.56 0.45 -1.07	40.19 0.54 -1.22	47.78 0.86 -1.40	59.94 1.21 -1.26	46.79 0.84 -1.65	50.47 1.24 -1.53	48.97 1.26 -1.14	42.08 0.96 -1.24	42.27 0.81 -1.05	53.22 0.93 -0.52
ONEIDA___115KV_TB4 55905	36.83 0.71 -0.77	34.99 0.67 -0.81	37.86 0.69 -0.59	38.31 0.71 -0.44	36.78 0.64 -0.60	30.76 0.56 -0.97	34.58 0.69 -1.06	35.34 0.89 -1.37	38.14 0.94 -0.94	38.21 0.91 -0.82	34.76 0.73 -2.08	34.97 0.75 -1.75	37.84 0.85 -1.55	38.24 0.89 -1.69	37.88 0.88 -1.97	41.71 1.04 -2.24	49.46 1.37 -2.58	61.62 1.84 -2.31	48.62 1.28 -3.04	52.00 1.48 -2.82	50.12 1.44 -2.10	43.28 1.12 -2.28	43.31 0.97 -1.93	53.86 1.14 -0.96
ONONDAGA_REF_OCCRA 23987	36.59 -0.21 -1.45	34.83 -0.20 -1.52	37.43 -0.26 -1.11	37.74 -0.26 -0.83	36.42 -0.25 -1.13	30.92 -0.15 -1.84	34.67 -0.16 -2.00	35.46 -0.20 -2.58	37.71 -0.33 -1.78	37.66 -0.36 -1.55	35.55 -0.32 -3.92	35.46 -0.32 -3.31	38.01 -0.35 -2.92	38.50 -0.36 -3.19	38.44 -0.32 -3.72	42.36 -0.31 -4.23	50.02 -0.36 -4.87	61.43 -0.40 -4.36	49.72 -0.31 -5.73	52.64 -0.38 -5.32	50.13 -0.42 -3.97	43.75 -0.44 -4.30	43.53 -0.53 -3.65	52.90 -0.67 -1.81
ONONDAGA___COGEN 23986	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.26 -1.02	37.67 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.26 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.65 -0.36 -4.49	61.04 -0.46 -4.03	49.24 -0.35 -5.29	52.19 -0.43 -4.91	49.77 -0.47 -3.67	43.38 -0.48 -3.97	43.25 -0.53 -3.37	52.71 -0.72 -1.67
ONTARIO___LFGE 23819	36.86 -0.39 -1.89	35.10 -0.40 -1.98	37.54 -0.48 -1.44	37.77 -0.48 -1.08	36.62 -0.39 -1.47	31.39 -0.23 -2.39	35.13 -0.30 -2.59	36.12 -0.30 -3.34	38.08 -0.47 -2.30	37.82 -0.66 -2.01	36.42 -0.61 -5.08	36.14 -0.62 -4.29	38.55 -0.67 -3.78	39.15 -0.64 -4.13	39.29 -0.56 -4.82	43.49 -0.42 -5.48	51.22 -0.59 -6.30	62.54 -0.57 -5.64	51.32 -0.40 -7.42	53.96 -0.62 -6.88	51.02 -0.70 -5.14	44.89 -0.56 -5.57	44.56 -0.57 -4.72	53.24 -0.88 -2.36
ORANGEVILLE_WT_PWR 323706	35.14 -2.58 -2.36	33.48 -2.51 -2.49	35.71 -2.67 -1.81	35.89 -2.64 -1.36	35.08 -2.31 -1.84	30.39 -1.84 -3.00	33.37 -2.30 -2.84	34.19 -2.55 -3.65	35.87 -2.90 -2.51	35.50 -3.17 -2.20	34.75 -2.75 -5.55	34.30 -2.86 -4.69	36.46 -3.12 -4.14	37.11 -3.07 -4.52	37.40 -2.91 -5.27	41.38 -3.04 -5.99	48.76 -3.64 -6.88	59.16 -4.48 -6.17	49.09 -3.32 -8.11	51.51 -3.72 -7.52	48.56 -3.63 -5.62	42.94 -3.03 -6.09	42.82 -2.75 -5.16	51.61 -3.10 -2.95
ORANGEVILLE___ESR 323794	35.14 -2.58 -2.36	33.48 -2.51 -2.49	35.71 -2.67 -1.81	35.89 -2.64 -1.36	35.08 -2.31 -1.84	30.39 -1.84 -3.00	33.37 -2.30 -2.84	34.19 -2.55 -3.65	35.87 -2.90 -2.51	35.50 -3.17 -2.20	34.75 -2.75 -5.55	34.30 -2.86 -4.69	36.46 -3.12 -4.14	37.11 -3.07 -4.52	37.40 -2.91 -5.27	41.38 -3.04 -5.99	48.76 -3.64 -6.88	59.16 -4.48 -6.17	49.09 -3.32 -8.11	51.51 -3.72 -7.52	48.56 -3.63 -5.62	42.94 -3.03 -6.09	42.82 -2.75 -5.16	51.61 -3.10 -2.95
OSWEGATCHIE___HYD 24044	34.14 -1.63 -0.41	32.37 -1.57 -0.43	35.36 -1.53 -0.32	35.62 -1.78 -0.24	34.09 -1.78 -0.32	28.03 -1.72 -0.52	31.76 -1.64 -0.57	32.66 -1.16 -0.74	35.64 -1.12 -0.51	36.00 -0.91 -0.44	32.14 -0.93 -1.12	32.47 -0.94 -0.95	35.39 -0.88 -0.83	35.79 -0.78 -0.91	35.26 -0.84 -1.06	38.68 -0.96 -1.21	46.54 -0.37 -1.39	58.49 -0.23 -1.24	45.54 -0.40 -1.64	49.17 -0.05 -1.52	48.03 0.33 -1.13	41.23 0.12 -1.23	41.41 -0.04 -1.04	52.59 0.31 -0.52
OSWEGO___5 23606	35.49 -0.81 -0.94	33.73 -0.77 -0.99	36.42 -0.88 -0.72	36.85 -0.85 -0.54	35.46 -0.82 -0.73	29.78 -0.64 -1.19	33.38 -0.75 -1.30	33.93 -0.83 -1.68	36.40 -1.01 -1.16	36.42 -1.06 -1.01	33.61 -0.89 -2.55	33.72 -0.91 -2.16	36.35 -0.99 -1.90	36.74 -1.00 -2.08	36.48 -0.98 -2.42	40.11 -1.08 -2.75	47.32 -1.36 -3.16	58.64 -1.67 -2.84	46.74 -1.29 -3.73	49.73 -1.43 -3.46	47.76 -1.40 -2.58	41.45 -1.24 -2.80	41.57 -1.21 -2.37	51.39 -1.55 -1.17

OSWEGO___6 23613	35.49 -0.81 -0.94	33.73 -0.77 -0.99	36.42 -0.88 -0.72	36.85 -0.85 -0.54	35.46 -0.82 -0.73	29.78 -0.64 -1.19	33.38 -0.75 -1.30	33.93 -0.83 -1.68	36.40 -1.01 -1.16	36.42 -1.06 -1.01	33.61 -0.89 -2.55	33.72 -0.91 -2.16	36.35 -0.99 -1.90	36.74 -1.00 -2.08	36.48 -0.98 -2.42	40.11 -1.08 -2.75	47.32 -1.36 -3.16	58.64 -1.67 -2.84	46.74 -1.29 -3.73	49.73 -1.43 -3.46	47.76 -1.40 -2.58	41.45 -1.24 -2.80	41.57 -1.21 -2.37	51.39 -1.55 -1.17
OUTOKUMPU-AB___DRP 24206	34.85 -2.48 -1.96	33.10 -2.48 -2.06	35.37 -2.71 -1.50	35.62 -2.68 -1.13	34.69 -2.38 -1.53	29.82 -1.90 -2.49	32.42 -2.59 -2.19	32.82 -3.08 -2.81	34.72 -3.48 -1.94	34.55 -3.61 -1.69	33.16 -3.07 -4.27	32.90 -3.18 -3.61	35.16 -3.47 -3.19	35.68 -3.46 -3.48	35.77 -3.33 -4.06	39.51 -3.54 -4.61	46.50 -4.32 -5.30	56.42 -5.81 -4.75	46.47 -4.08 -6.25	48.82 -4.67 -5.79	46.29 -4.61 -4.33	40.90 -3.67 -4.69	41.03 -3.35 -3.97	50.70 -3.52 -2.45
OXBOW___BTM 323836	34.62 -2.69 -1.95	32.88 -2.68 -2.05	35.17 -2.89 -1.49	35.35 -2.94 -1.12	34.47 -2.59 -1.52	29.60 -2.10 -2.47	32.14 -2.82 -2.13	32.41 -3.41 -2.74	34.30 -3.84 -1.89	34.18 -3.94 -1.65	32.79 -3.32 -4.16	32.51 -3.47 -3.52	34.83 -3.72 -3.10	35.34 -3.71 -3.39	35.45 -3.54 -3.95	38.96 -3.96 -4.49	45.58 -5.10 -5.16	55.66 -6.44 -4.63	45.68 -4.70 -6.08	47.95 -5.39 -5.64	45.57 -5.22 -4.21	40.22 -4.23 -4.57	40.52 -3.76 -3.87	50.26 -3.94 -2.43
OXBOW____ 24026	34.62 -2.69 -1.95	32.88 -2.68 -2.05	35.14 -2.93 -1.49	35.35 -2.94 -1.12	34.47 -2.59 -1.52	29.63 -2.08 -2.47	32.14 -2.82 -2.13	32.45 -3.37 -2.74	34.30 -3.84 -1.89	34.18 -3.94 -1.65	32.76 -3.35 -4.16	32.51 -3.47 -3.52	34.75 -3.79 -3.10	35.27 -3.78 -3.39	35.34 -3.64 -3.95	38.96 -3.96 -4.49	45.86 -4.83 -5.16	55.61 -6.49 -4.63	45.77 -4.61 -6.08	48.10 -5.25 -5.64	45.62 -5.17 -4.21	40.34 -4.11 -4.57	40.52 -3.76 -3.87	50.26 -3.93 -2.43
OXY_CHEM_DSASP 323612	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.80 -3.26 -1.48	35.01 -3.27 -1.11	34.13 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.31 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.24 -4.22 -3.02	34.71 -4.24 -3.29	34.78 -4.10 -3.84	38.34 -4.46 -4.37	45.03 -5.51 -5.02	54.56 -7.41 -4.50	44.94 -5.27 -5.91	47.18 -6.01 -5.48	44.75 -5.91 -4.10	39.66 -4.67 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
OZONE_PARK_ESR 323760	51.64 2.19 -14.09	50.27 1.94 -14.81	49.33 1.98 -10.78	47.30 2.04 -8.09	48.52 1.99 -10.99	48.86 1.75 -17.88	54.43 2.10 -19.49	60.30 2.12 -25.10	56.18 2.65 -17.28	54.30 2.74 -15.10	72.45 2.33 -38.16	67.08 2.37 -32.24	66.43 2.55 -28.44	69.17 2.46 -31.05	73.50 2.24 -36.22	82.27 2.65 -41.19	95.91 3.05 -47.34	103.98 4.08 -42.43	103.28 3.19 -55.79	102.74 3.29 -51.75	88.30 3.07 -38.65	84.35 2.59 -41.88	78.34 2.47 -35.47	72.30 2.95 -17.59
PACKARD_I15_KV_ADAMS_I87_REV_LBMP_A 345013	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.80 -3.26 -1.48	35.01 -3.27 -1.11	34.13 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.31 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.24 -4.22 -3.02	34.71 -4.24 -3.29	34.78 -4.10 -3.84	38.34 -4.46 -4.37	45.03 -5.51 -5.02	54.56 -7.41 -4.50	44.94 -5.27 -5.91	47.18 -6.01 -5.48	44.75 -5.91 -4.10	39.66 -4.67 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
PACKARD__I15KV_DUPONT_I84 80571	34.28 -3.01 -1.93	32.56 -2.98 -2.03	34.80 -3.26 -1.48	35.01 -3.27 -1.11	34.13 -2.91 -1.51	29.31 -2.37 -2.45	31.75 -3.15 -2.07	31.94 -3.80 -2.66	33.78 -4.31 -1.84	33.70 -4.38 -1.60	32.26 -3.74 -4.05	32.02 -3.86 -3.42	34.24 -4.22 -3.02	34.71 -4.24 -3.29	34.78 -4.10 -3.84	38.34 -4.46 -4.37	45.03 -5.51 -5.02	54.56 -7.41 -4.50	44.94 -5.27 -5.91	47.18 -6.01 -5.48	44.75 -5.91 -4.10	39.66 -4.67 -4.44	39.89 -4.28 -3.76	49.67 -4.50 -2.41
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	51.35 1.91 -14.09	50.00 1.68 -14.81	49.00 1.65 -10.78	47.01 1.75 -8.09	48.17 1.63 -10.99	48.45 1.34 -17.88	53.87 1.54 -19.49	59.67 1.49 -25.10	55.50 1.96 -17.28	53.68 2.12 -15.10	72.00 1.89 -38.17	66.66 1.95 -32.24	66.05 2.16 -28.44	68.74 2.03 -31.05	73.05 1.79 -36.22	81.77 2.15 -41.19	95.23 2.37 -47.34	103.24 3.33 -42.43	102.66 2.57 -55.79	102.03 2.58 -51.75	87.60 2.38 -38.66	83.95 2.19 -41.88	78.18 2.30 -35.47	72.30 2.95 -17.59
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	51.74 2.30 -14.09	50.34 2.01 -14.81	49.40 2.05 -10.78	47.41 2.16 -8.09	48.56 2.03 -10.99	48.78 1.67 -17.88	54.23 1.90 -19.49	60.06 1.89 -25.10	55.93 2.39 -17.28	54.12 2.55 -15.10	72.35 2.24 -38.17	67.02 2.31 -32.24	66.44 2.55 -28.44	69.10 2.39 -31.05	73.43 2.17 -36.22	82.19 2.57 -41.19	95.77 2.91 -47.34	103.87 3.97 -42.43	103.15 3.06 -55.79	102.55 3.10 -51.75	88.07 2.84 -38.66	84.39 2.63 -41.88	78.67 2.79 -35.47	72.87 3.52 -17.59
PATROON__I15KV_TB1 80586	52.90 0.67 -16.87	51.89 0.64 -17.74	50.14 0.66 -12.91	47.52 0.67 -9.69	49.37 0.68 -13.16	51.19 0.56 -21.41	56.78 0.59 -23.36	63.72 0.56 -30.08	57.69 0.73 -20.70	55.33 0.77 -18.09	78.70 1.02 -45.73	72.14 1.04 -38.63	70.69 1.17 -34.07	74.04 1.18 -37.20	79.60 1.16 -43.40	88.67 0.88 -49.35	103.29 1.05 -56.72	109.64 1.32 -50.84	112.17 1.02 -66.85	110.76 1.05 -62.00	93.96 1.07 -46.32	90.98 0.92 -50.18	84.16 1.25 -42.50	74.53 1.71 -21.06
PATTRSNVILLE__SOLAR 323815	54.46 1.42 -17.69	53.46 1.34 -18.60	51.54 1.42 -13.54	48.74 1.41 -10.16	50.73 1.38 -13.80	52.85 1.17 -22.45	58.64 1.31 -24.50	65.95 1.32 -31.55	59.46 1.49 -21.71	56.76 1.31 -18.97	80.93 1.02 -47.96	73.99 1.01 -40.51	72.28 1.10 -35.74	75.78 1.11 -39.02	81.68 1.12 -45.52	91.73 1.54 -51.76	107.01 2.00 -59.49	113.38 2.59 -53.32	116.41 2.00 -70.11	114.88 2.15 -65.03	97.19 2.05 -48.58	94.22 1.71 -52.63	86.64 1.66 -44.57	75.87 2.02 -22.09
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	34.34 -3.15 -2.13	32.63 -3.12 -2.24	34.84 -3.36 -1.63	35.01 -3.38 -1.22	34.15 -3.06 -1.66	29.48 -2.46 -2.70	32.30 -2.95 -2.42	33.42 -2.78 -3.12	35.29 -3.12 -2.15	35.07 -3.28 -1.88	33.85 -2.84 -4.74	33.59 -2.89 -4.01	35.79 -3.19 -3.53	36.35 -3.17 -3.86	36.56 -2.98 -4.50	40.43 -3.11 -5.12	47.89 -3.51 -5.88	58.38 -4.37 -5.27	47.99 -3.23 -6.93	50.50 -3.63 -6.43	47.79 -3.59 -4.80	41.93 -3.15 -5.20	41.50 -3.31 -4.41	50.07 -4.35 -2.66
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	51.72 2.16 -14.21	50.43 1.98 -14.94	49.49 2.05 -10.87	47.45 2.12 -8.16	48.69 2.06 -11.08	49.07 1.81 -18.03	54.56 2.07 -19.66	60.61 2.22 -25.32	56.37 2.68 -17.43	54.43 2.74 -15.23	72.71 2.27 -38.49	67.29 2.31 -32.52	66.64 2.52 -28.68	69.40 2.42 -31.31	73.92 2.35 -36.53	82.78 2.81 -41.54	96.59 3.32 -47.74	104.69 4.43 -42.79	103.98 3.41 -56.27	103.47 3.58 -52.19	88.96 3.40 -38.98	84.95 2.83 -42.24	78.77 2.59 -35.77	72.51 3.00 -17.74
PEEKSKILL____ 23653	51.02 1.70 -13.97	49.74 1.54 -14.69	48.83 1.57 -10.69	46.82 1.63 -8.02	48.00 1.56 -10.90	48.34 1.37 -17.73	53.81 1.64 -19.33	59.66 1.69 -24.90	55.46 2.07 -17.14	53.59 2.15 -14.97	71.59 1.79 -37.85	66.23 1.78 -31.97	65.49 1.84 -28.20	68.23 1.78 -30.79	72.64 1.68 -35.92	81.35 2.07 -40.85	95.01 2.55 -46.94	102.88 3.33 -42.08	102.29 2.66 -55.33	101.74 2.72 -51.32	87.46 2.56 -38.33	83.56 2.15 -41.53	77.61 2.02 -35.17	71.43 2.22 -17.44

PGE MADISON___WINDPWR 24146	42.17 2.69 -4.13	40.40 2.55 -4.34	42.37 2.63 -3.16	42.33 2.79 -2.37	41.25 2.49 -3.22	36.49 2.02 -5.24	40.95 2.46 -5.65	43.50 3.14 -7.27	44.67 3.41 -5.01	43.94 3.10 -4.38	45.47 2.46 -11.06	44.35 2.53 -9.34	46.45 2.77 -8.24	47.44 2.78 -9.00	48.41 2.87 -10.50	53.82 3.46 -11.93	63.88 4.65 -13.72	75.92 6.15 -12.29	65.03 4.56 -16.17	67.61 4.91 -14.99	62.43 4.66 -11.20	55.73 3.71 -12.13	54.00 3.31 -10.28	60.70 3.78 -5.15
PIERCEFIELD___HYD 23852	33.71 -1.94 -0.29	31.94 -1.88 -0.31	35.12 -1.68 -0.22	35.18 -2.16 -0.17	33.67 -2.10 -0.23	27.47 -2.13 -0.37	31.20 -2.04 -0.40	32.18 -1.42 -0.52	35.31 -1.31 -0.36	35.84 -0.95 -0.31	31.75 -0.99 -0.79	32.17 -0.97 -0.67	35.22 -0.82 -0.59	35.56 -0.75 -0.64	34.95 -0.84 -0.75	38.25 -1.04 -0.86	46.23 -0.27 -0.98	58.41 0.06 -0.88	45.19 -0.27 -1.16	48.78 0.00 -1.07	47.93 0.56 -0.80	40.91 0.16 -0.87	41.35 0.20 -0.74	53.11 0.98 -0.37
PINELAWN_CC_1 323563	53.76 2.47 -15.93	50.65 2.31 -14.83	49.59 2.23 -10.78	47.75 2.49 -8.09	48.91 2.38 -10.99	49.20 2.08 -17.89	54.86 2.43 -19.60	60.68 2.48 -25.12	56.41 2.86 -17.29	54.45 2.88 -15.10	72.04 1.92 -38.17	66.86 2.14 -32.24	65.94 2.06 -28.44	68.89 2.18 -31.05	73.30 2.03 -36.23	82.52 2.88 -41.21	120.90 3.60 -71.78	144.38 4.60 -82.30	129.88 3.63 -81.95	117.79 3.82 -66.27	112.68 3.68 -62.43	102.09 2.99 -59.21	78.77 2.87 -35.49	72.67 3.32 -17.59
PJM_GEN_HTP_PROXY 323702	51.35 1.91 -14.08	50.03 1.71 -14.81	49.07 1.72 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.16 1.84 -19.49	60.07 1.88 -25.10	55.86 2.32 -17.28	53.97 2.41 -15.10	72.16 2.05 -38.16	66.79 2.08 -32.24	66.01 2.13 -28.43	68.70 2.00 -31.04	73.11 1.86 -36.22	81.88 2.27 -41.18	95.63 2.78 -47.33	103.58 3.68 -42.42	103.01 2.92 -55.79	102.45 3.01 -51.74	88.01 2.79 -38.65	84.11 2.35 -41.87	78.10 2.22 -35.46	71.84 2.48 -17.59
PJM_GEN_KEystone 24065	37.23 -0.60 -2.47	34.06 -0.67 -1.22	35.38 -0.77 0.42	36.11 -0.74 0.31	32.27 -0.64 2.63	34.01 -0.47 -5.25	38.77 -0.56 -6.50	40.21 -0.56 -7.69	36.68 -0.54 -0.96	34.15 -0.58 1.74	39.36 -0.54 -7.95	38.10 -0.58 -6.21	37.06 -0.71 -2.32	37.41 -0.75 -2.50	38.19 -0.74 -3.89	44.01 -0.65 -6.23	55.30 -0.73 -10.51	73.90 -0.86 -17.28	63.37 -0.58 -19.65	58.91 -0.77 -11.97	59.30 -0.79 -13.52	56.50 -0.72 -17.33	52.75 -0.73 -13.06	51.00 -1.03 -0.27
PJM_GEN_NEPTUNE_PROXY 323594	53.01 2.01 -15.64	50.24 1.91 -14.82	49.22 1.86 -10.78	47.38 2.12 -8.09	48.52 1.99 -10.99	48.87 1.75 -17.89	54.41 2.00 -19.58	60.31 2.12 -25.12	56.05 2.50 -17.29	54.12 2.55 -15.10	71.81 1.69 -38.17	66.60 1.88 -32.24	65.69 1.81 -28.44	68.60 1.89 -31.05	73.02 1.75 -36.23	82.06 2.42 -41.20	116.40 2.92 -67.96	136.96 3.73 -75.75	125.13 2.97 -77.86	114.80 3.10 -64.00	108.27 2.98 -58.72	98.86 2.47 -56.50	78.32 2.42 -35.48	72.10 2.74 -17.59
PJM_GEN_VFT_PROXY 323633	51.28 1.84 -14.09	49.97 1.64 -14.81	49.00 1.65 -10.78	46.97 1.71 -8.09	48.20 1.67 -10.99	48.60 1.49 -17.88	54.10 1.77 -19.49	60.00 1.82 -25.10	55.82 2.29 -17.28	53.94 2.37 -15.10	72.16 2.05 -38.16	66.66 1.95 -32.24	65.90 2.02 -28.44	66.29 1.82 -28.81	66.27 1.65 -29.58	67.30 2.04 -26.83	69.64 2.41 -21.71	77.60 3.27 -16.85	76.93 2.57 -30.06	76.43 2.62 -26.11	67.30 2.42 -18.31	67.30 2.03 -25.38	67.30 1.94 -24.95	66.39 2.17 -12.45
PLATSBURG_115KV_PMLD1 355749	33.38 -1.98 0.00	31.64 -1.88 0.00	34.96 -1.61 0.00	35.05 -2.12 0.00	33.48 -2.06 0.00	27.13 -2.10 0.00	30.86 -1.97 0.00	31.66 -1.42 0.00	34.95 -1.31 0.00	35.60 -0.88 0.00	31.02 -0.93 0.00	31.59 -0.88 0.00	34.77 -0.67 0.00	35.06 -0.61 0.00	34.37 -0.67 0.00	37.66 -0.77 0.00	45.66 0.14 0.00	58.05 0.57 0.00	44.34 0.04 0.00	47.94 0.24 0.00	47.46 0.88 0.00	40.36 0.48 0.00	41.06 0.65 0.00	53.58 1.81 0.00
PLEASANTVLY___LBMP 24000	51.48 1.56 -14.57	50.27 1.44 -15.32	49.22 1.50 -11.15	47.09 1.56 -8.37	48.40 1.49 -11.36	49.01 1.29 -18.49	54.50 1.51 -20.16	60.60 1.55 -25.96	56.01 1.89 -17.87	54.05 1.97 -15.61	73.08 1.66 -39.47	67.50 1.69 -33.34	66.66 1.81 -29.41	69.55 1.78 -32.11	74.21 1.72 -37.46	83.02 2.00 -42.59	96.80 2.32 -48.95	104.40 3.05 -43.88	104.39 2.39 -57.70	103.70 2.48 -53.51	88.92 2.38 -39.97	85.18 1.99 -43.31	78.99 1.90 -36.68	72.23 2.28 -18.19
PLSNTVLE_13_KV_13.8KVDIST 80602	51.33 1.80 -14.17	50.05 1.64 -14.90	49.10 1.68 -10.84	47.05 1.75 -8.14	48.30 1.71 -11.05	48.71 1.49 -17.98	54.18 1.74 -19.61	60.12 1.79 -25.25	55.82 2.18 -17.38	53.92 2.26 -15.19	72.26 1.92 -38.39	66.82 1.92 -32.43	66.11 2.06 -28.61	68.93 2.03 -31.23	73.37 1.89 -36.44	82.13 2.27 -41.43	95.73 2.59 -47.62	103.66 3.51 -42.68	103.12 2.70 -56.12	102.57 2.81 -52.05	88.11 2.65 -38.88	84.24 2.23 -42.12	78.19 2.10 -35.68	71.94 2.48 -17.69
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	51.33 1.80 -14.17	50.05 1.64 -14.90	49.10 1.68 -10.84	47.05 1.75 -8.14	48.30 1.71 -11.05	48.71 1.49 -17.98	54.18 1.74 -19.61	60.12 1.79 -25.25	55.82 2.18 -17.38	53.92 2.26 -15.19	72.26 1.92 -38.39	66.82 1.92 -32.43	66.11 2.06 -28.61	68.93 2.03 -31.23	73.37 1.89 -36.44	82.13 2.27 -41.43	95.73 2.59 -47.62	103.66 3.51 -42.68	103.12 2.70 -56.12	102.57 2.81 -52.05	88.11 2.65 -38.88	84.24 2.23 -42.12	78.19 2.10 -35.68	71.94 2.48 -17.69
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	51.53 1.84 -14.33	50.26 1.68 -15.07	49.30 1.76 -10.97	47.18 1.78 -8.23	48.50 1.78 -11.18	48.94 1.52 -18.19	54.41 1.74 -19.84	60.45 1.82 -25.55	56.02 2.18 -17.58	54.06 2.22 -15.36	72.64 1.85 -38.84	67.13 1.85 -32.81	66.41 2.02 -28.94	69.25 2.00 -31.60	73.86 1.96 -36.86	82.69 2.34 -41.91	96.47 2.78 -48.17	104.39 3.74 -43.18	103.96 2.88 -56.78	103.32 2.96 -52.66	88.75 2.84 -39.34	84.89 2.39 -42.62	78.73 2.22 -36.09	72.30 2.64 -17.90
POLETTI___ 23519	51.35 1.91 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.16 1.84 -19.49	60.04 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.84 2.75 -55.79	102.26 2.81 -51.75	87.88 2.65 -38.65	83.99 2.23 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
POMONA___ESR 323819	50.70 1.66 -13.68	49.37 1.47 -14.38	48.54 1.50 -10.46	46.62 1.60 -7.86	47.74 1.53 -10.67	47.93 1.35 -17.36	53.33 1.58 -18.93	59.11 1.65 -24.37	55.06 2.03 -16.78	53.21 2.08 -14.66	70.73 1.72 -37.05	65.43 1.66 -31.30	64.76 1.70 -27.61	67.45 1.64 -30.14	71.75 1.54 -35.17	80.34 1.92 -39.99	93.85 2.37 -45.96	101.83 3.16 -41.19	100.95 2.48 -54.17	100.52 2.57 -50.24	86.52 2.42 -37.53	82.53 1.99 -40.66	76.71 1.86 -34.44	70.86 2.02 -17.08
PORT_JEFF_3 23555	53.77 2.65 -15.76	50.88 2.55 -14.83	49.70 2.34 -10.78	47.97 2.71 -8.09	49.13 2.59 -10.99	49.40 2.28 -17.89	55.11 2.69 -19.59	60.94 2.74 -25.12	56.56 3.01 -17.29	54.56 2.99 -15.10	72.04 1.92 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.89 2.18 -31.05	73.37 2.10 -36.23	82.71 3.08 -41.21	118.96 3.92 -69.52	140.99 4.94 -78.57	127.72 3.90 -79.52	116.83 4.20 -64.93	110.85 4.05 -60.23	100.76 3.27 -57.61	78.97 3.07 -35.48	72.93 3.57 -17.59

PORT_JEFF_4 23616	53.77 2.65 -15.76	50.88 2.55 -14.83	49.70 2.34 -10.78	47.97 2.71 -8.09	49.13 2.59 -10.99	49.40 2.28 -17.89	55.11 2.69 -19.59	60.94 2.74 -25.12	56.56 3.01 -17.29	54.56 2.99 -15.10	72.04 1.92 -38.17	66.89 2.18 -32.24	65.94 2.06 -28.44	68.89 2.18 -31.05	73.37 2.10 -36.23	82.71 3.08 -41.21	118.96 3.92 -69.52	140.99 4.94 -78.57	127.72 3.90 -79.52	116.83 4.20 -64.93	110.85 4.05 -60.23	100.76 3.27 -57.61	78.97 3.07 -35.48	72.93 3.57 -17.59
PORT_JEFF_IC 23713	53.85 2.72 -15.77	50.95 2.61 -14.83	49.73 2.38 -10.78	47.94 2.68 -8.09	49.20 2.67 -10.99	49.46 2.34 -17.89	55.18 2.76 -19.59	60.98 2.78 -25.12	56.59 3.05 -17.29	54.60 3.03 -15.10	72.10 1.98 -38.17	66.92 2.21 -32.24	66.05 2.16 -28.44	69.00 2.28 -31.05	73.44 2.17 -36.23	82.79 3.15 -41.21	119.03 3.91 -69.59	141.23 5.06 -78.69	127.75 3.85 -79.60	116.82 4.15 -64.97	110.88 4.01 -60.30	100.81 3.27 -57.66	78.97 3.07 -35.48	72.93 3.57 -17.59
PPL_PILGRIM_ST_GT1 24216	53.80 2.65 -15.79	50.82 2.48 -14.83	49.70 2.34 -10.78	47.94 2.68 -8.09	49.06 2.52 -10.99	49.37 2.25 -17.89	55.08 2.66 -19.59	60.91 2.71 -25.12	56.56 3.01 -17.29	54.56 2.99 -15.10	72.10 1.98 -38.17	66.95 2.24 -32.24	66.01 2.13 -28.44	68.96 2.25 -31.05	73.44 2.17 -36.23	82.71 3.08 -41.21	119.31 3.92 -69.88	141.62 4.94 -79.20	128.15 3.94 -79.91	116.99 4.15 -65.14	111.16 4.01 -60.58	101.01 3.27 -57.86	78.97 3.07 -35.48	72.93 3.57 -17.59
PPL_PILGRIM_ST_GT2 24217	53.80 2.65 -15.79	50.82 2.48 -14.83	49.70 2.34 -10.78	47.94 2.68 -8.09	49.06 2.52 -10.99	49.37 2.25 -17.89	55.08 2.66 -19.59	60.91 2.71 -25.12	56.56 3.01 -17.29	54.56 2.99 -15.10	72.10 1.98 -38.17	66.95 2.24 -32.24	66.01 2.13 -28.44	68.96 2.25 -31.05	73.44 2.17 -36.23	82.71 3.08 -41.21	119.31 3.92 -69.88	141.62 4.94 -79.20	128.15 3.94 -79.91	116.99 4.15 -65.14	111.16 4.01 -60.58	101.01 3.27 -57.86	78.97 3.07 -35.48	72.93 3.57 -17.59
PPL_SHRM_GT3 24213	53.81 2.69 -15.76	51.05 2.71 -14.83	49.62 2.27 -10.78	48.12 2.86 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.49 2.92 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.73 1.84 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.63 3.00 -41.21	118.98 3.92 -69.54	140.86 4.77 -78.61	127.61 3.76 -79.55	116.89 4.24 -64.94	110.93 4.10 -60.26	100.82 3.31 -57.62	78.97 3.07 -35.48	72.93 3.57 -17.59
PPL_SHRM_GT4 24214	53.81 2.69 -15.76	51.05 2.71 -14.83	49.62 2.27 -10.78	48.12 2.86 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.49 2.92 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.73 1.84 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.63 3.00 -41.21	118.98 3.92 -69.54	140.86 4.77 -78.61	127.61 3.76 -79.55	116.89 4.24 -64.94	110.93 4.10 -60.26	100.82 3.31 -57.62	78.97 3.07 -35.48	72.93 3.57 -17.59
PROJECT___ORANGE 1 24174	36.15 -0.39 -1.18	34.39 -0.37 -1.25	37.08 -0.40 -0.91	37.44 -0.41 -0.68	36.08 -0.39 -0.92	30.47 -0.26 -1.50	34.14 -0.33 -1.64	34.83 -0.36 -2.11	37.20 -0.51 -1.45	37.16 -0.58 -1.27	34.68 -0.48 -3.21	34.69 -0.49 -2.71	37.31 -0.53 -2.39	37.74 -0.53 -2.61	37.59 -0.49 -3.05	41.36 -0.54 -3.46	48.87 -0.64 -3.98	60.24 -0.80 -3.57	48.37 -0.62 -4.69	51.34 -0.72 -4.35	49.08 -0.75 -3.25	42.69 -0.72 -3.52	42.67 -0.73 -2.98	52.31 -0.93 -1.48
PROJECT___ORANGE 2 24166	36.15 -0.39 -1.18	34.39 -0.37 -1.25	37.08 -0.40 -0.91	37.44 -0.41 -0.68	36.08 -0.39 -0.92	30.47 -0.26 -1.50	34.14 -0.33 -1.64	34.83 -0.36 -2.11	37.20 -0.51 -1.45	37.16 -0.58 -1.27	34.68 -0.48 -3.21	34.69 -0.49 -2.71	37.31 -0.53 -2.39	37.74 -0.53 -2.61	37.59 -0.49 -3.05	41.36 -0.54 -3.46	48.87 -0.64 -3.98	60.24 -0.80 -3.57	48.37 -0.62 -4.69	51.34 -0.72 -4.35	49.08 -0.75 -3.25	42.69 -0.72 -3.52	42.67 -0.73 -2.98	52.31 -0.93 -1.48
PUCKETT___SOLAR 323809	40.46 0.67 -4.43	38.81 0.64 -4.66	40.62 0.66 -3.39	40.46 0.74 -2.54	39.67 0.67 -3.46	35.41 0.55 -5.62	39.57 0.69 -6.05	41.73 0.86 -7.79	42.49 0.87 -5.36	41.85 0.69 -4.69	44.27 0.48 -11.84	42.96 0.49 -10.01	44.80 0.53 -8.83	45.87 0.57 -9.64	46.94 0.66 -11.24	52.17 0.96 -12.78	61.53 1.32 -14.69	72.43 1.78 -13.17	62.94 1.33 -17.31	65.19 1.43 -16.06	59.92 1.35 -12.00	53.88 1.00 -13.00	52.27 0.85 -11.01	58.23 0.93 -5.53
PYRITES___HYD 24023	34.08 -1.56 -0.28	32.30 -1.51 -0.30	35.51 -1.28 -0.22	35.58 -1.75 -0.16	34.02 -1.74 -0.22	27.72 -1.87 -0.36	31.52 -1.71 -0.39	32.62 -0.96 -0.50	35.81 -0.80 -0.35	36.37 -0.40 -0.30	32.17 -0.54 -0.77	32.63 -0.49 -0.65	35.70 -0.32 -0.57	36.07 -0.21 -0.62	35.41 -0.35 -0.73	38.80 -0.46 -0.83	46.97 0.50 -0.95	59.42 1.09 -0.85	45.91 0.49 -1.12	49.55 0.81 -1.04	48.74 1.40 -0.78	41.52 0.80 -0.84	41.93 0.81 -0.71	53.88 1.76 -0.35
QUAKERRD_115KV_BK1 80622	35.18 -1.70 -1.52	33.43 -1.68 -1.60	35.87 -1.87 -1.16	36.18 -1.86 -0.87	35.02 -1.71 -1.19	29.76 -1.40 -1.93	33.32 -1.67 -2.16	33.88 -1.98 -2.78	35.89 -2.28 -1.91	35.81 -2.33 -1.67	34.20 -1.98 -4.23	34.00 -2.05 -3.57	36.40 -2.20 -3.15	36.89 -2.21 -3.44	36.88 -2.17 -4.01	40.69 -2.31 -4.56	47.99 -2.78 -5.24	58.44 -3.74 -4.70	47.87 -2.61 -6.18	50.43 -3.01 -5.73	47.83 -3.03 -4.28	42.09 -2.43 -4.64	42.04 -2.30 -3.93	51.07 -2.59 -1.90
QUEENSBRY_115KV_TB8 356137	55.15 2.55 -17.25	54.06 2.41 -18.14	52.29 2.52 -13.20	49.56 2.49 -9.91	51.55 2.56 -13.45	53.28 2.16 -21.89	59.14 2.43 -23.88	66.28 2.45 -30.75	60.29 2.86 -21.17	57.74 2.77 -18.50	80.27 1.57 -46.76	73.46 1.49 -39.50	71.95 1.67 -34.84	75.27 1.57 -38.04	80.95 1.54 -44.38	90.85 1.96 -50.46	106.06 2.55 -57.99	112.79 3.33 -51.98	115.22 2.57 -68.35	113.77 2.67 -63.39	96.49 2.56 -47.35	93.22 2.03 -51.30	85.88 2.02 -43.45	75.84 2.54 -21.53
RAMAPO___LBMP 323565	50.53 1.52 -13.65	49.24 1.37 -14.35	48.44 1.43 -10.44	46.46 1.45 -7.84	47.61 1.42 -10.65	47.81 1.26 -17.32	53.20 1.48 -18.89	58.93 1.52 -24.32	54.89 1.89 -16.74	53.07 1.97 -14.63	70.56 1.63 -36.98	65.30 1.59 -31.24	64.70 1.70 -27.55	67.42 1.68 -30.08	71.68 1.54 -35.10	80.18 1.84 -39.91	93.44 2.05 -45.87	101.35 2.76 -41.11	100.53 2.17 -54.06	100.04 2.19 -50.14	86.12 2.10 -37.45	82.26 1.79 -40.58	76.40 1.62 -34.37	70.78 1.97 -17.04
RANKINE____ 23646	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.35 -2.82 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.62 -2.56 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.93 -3.36 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.64 -3.23 -3.42	36.19 -3.21 -3.73	36.34 -3.05 -4.36	40.15 -3.23 -4.95	47.34 -3.87 -5.69	57.52 -5.06 -5.10	47.46 -3.54 -6.71	49.82 -4.10 -6.22	47.21 -4.01 -4.65	41.65 -3.27 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60
RAVENSWOOD_GT2_1 24244	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.17 1.84 -19.49	60.04 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59

RAVENSWOOD_GT2_2 24245	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.17 1.84 -19.49	60.04 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT2_3 24246	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.17	66.82 2.11 -32.24	66.15 2.27 -28.44	68.92 2.21 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT2_4 24247	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.17	66.82 2.11 -32.24	66.15 2.27 -28.44	68.92 2.21 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT3_1 24248	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.17 1.84 -19.49	60.04 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT3_2 24249	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.17 1.84 -19.49	60.04 1.85 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT3_3 24250	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	54.05 2.48 -15.10	72.26 2.14 -38.17	66.85 2.14 -32.24	66.19 2.30 -28.44	68.96 2.25 -31.05	73.29 2.03 -36.22	82.04 2.42 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.66	84.11 2.35 -41.88	78.10 2.22 -35.47	71.99 2.64 -17.59
RAVENSWOOD_GT3_4 24251	51.42 1.98 -14.09	50.10 1.78 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.34 1.81 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	54.05 2.48 -15.10	72.26 2.14 -38.17	66.85 2.14 -32.24	66.19 2.30 -28.44	68.96 2.25 -31.05	73.29 2.03 -36.22	82.04 2.42 -41.19	95.59 2.73 -47.34	103.58 3.68 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.97 2.75 -38.66	84.11 2.35 -41.88	78.10 2.22 -35.47	71.99 2.64 -17.59
RAVENSWOOD_GT_1 23729	51.39 1.94 -14.09	50.03 1.71 -14.81	49.07 1.72 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.60 1.49 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.75 2.21 -17.28	53.90 2.33 -15.10	72.19 2.08 -38.17	66.82 2.11 -32.24	66.22 2.34 -28.44	68.96 2.25 -31.05	73.26 2.00 -36.22	82.00 2.38 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.83 2.61 -38.66	84.07 2.31 -41.88	78.14 2.26 -35.47	72.10 2.74 -17.59
RAVENSWOOD_GT_10 24258	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT_11 24259	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT_4 24252	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.20 1.87 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.17	66.82 2.11 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT_5 24254	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.20 1.87 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.17	66.82 2.11 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT_6 24253	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.20 1.87 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.17	66.82 2.11 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT_7 24255	51.39 1.94 -14.09	50.07 1.74 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.20 1.87 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	54.01 2.44 -15.10	72.22 2.11 -38.17	66.82 2.11 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.93 2.84 -55.79	102.31 2.86 -51.75	87.93 2.70 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59

RAVENSWOOD_GT_9 24257	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.31 1.78 -10.99	48.66 1.55 -17.88	54.20 1.87 -19.49	60.07 1.89 -25.10	55.86 2.32 -17.28	54.01 2.44 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.15 2.27 -28.44	68.88 2.18 -31.05	73.26 2.00 -36.22	81.96 2.34 -41.19	95.50 2.64 -47.34	103.53 3.62 -42.43	102.88 2.79 -55.79	102.31 2.86 -51.75	87.88 2.65 -38.66	84.03 2.27 -41.88	78.02 2.14 -35.47	71.94 2.59 -17.59
RAVENSWOOD___1 23533	51.35 1.91 -14.09	50.00 1.67 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.24 1.71 -10.99	48.60 1.49 -17.88	54.07 1.74 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.91 2.34 -15.10	72.16 2.05 -38.17	66.79 2.08 -32.24	65.94 2.06 -28.44	68.56 1.85 -31.05	72.98 1.72 -36.22	81.77 2.15 -41.19	95.59 2.73 -47.34	103.59 3.68 -42.43	103.02 2.92 -55.79	102.41 2.96 -51.75	87.93 2.70 -38.66	84.11 2.35 -41.88	78.22 2.34 -35.47	71.84 2.48 -17.59
RAVENSWOOD___2 23534	51.35 1.91 -14.09	50.00 1.67 -14.81	49.04 1.68 -10.78	47.04 1.78 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.91 2.34 -15.10	72.16 2.05 -38.17	66.79 2.08 -32.24	65.90 2.02 -28.44	68.56 1.85 -31.05	72.98 1.72 -36.22	81.73 2.11 -41.19	95.59 2.73 -47.34	103.59 3.68 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.93 2.70 -38.66	84.11 2.35 -41.88	78.18 2.30 -35.47	71.84 2.48 -17.59
RAVENSWOOD___3 23535	51.35 1.91 -14.09	50.03 1.71 -14.81	49.11 1.76 -10.78	47.08 1.82 -8.09	48.27 1.74 -10.99	48.66 1.55 -17.88	54.16 1.84 -19.49	60.07 1.88 -25.10	55.86 2.32 -17.28	53.98 2.41 -15.10	72.19 2.08 -38.17	66.79 2.08 -32.24	66.01 2.13 -28.44	68.71 2.00 -31.05	73.12 1.86 -36.22	81.89 2.27 -41.19	95.64 2.78 -47.34	103.59 3.68 -42.43	103.02 2.92 -55.79	102.46 3.01 -51.75	88.02 2.79 -38.66	84.11 2.35 -41.88	78.14 2.26 -35.47	71.84 2.48 -17.59
RAVENSWOOD___4 23820	51.32 1.87 -14.09	50.00 1.67 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.90 1.72 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.16 2.05 -38.17	66.79 2.08 -32.24	65.90 2.02 -28.44	68.56 1.85 -31.05	72.94 1.68 -36.22	81.73 2.11 -41.19	95.54 2.69 -47.34	103.53 3.62 -42.43	102.97 2.88 -55.79	102.41 2.96 -51.75	87.93 2.70 -38.66	84.07 2.31 -41.88	78.18 2.30 -35.47	71.84 2.48 -17.59
RCPI_TRUST___DRP 24196	51.39 1.94 -14.08	50.07 1.74 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.05 2.48 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.18 2.25 -28.43	68.95 2.03 -31.04	73.29 2.03 -36.22	82.03 2.42 -41.18	95.58 2.73 -47.33	103.58 3.68 -42.42	102.92 2.84 -55.79	102.35 2.91 -51.74	87.97 2.75 -38.65	84.07 2.31 -41.87	78.06 2.18 -35.46	71.99 2.64 -17.59
RED___ROCHESTER 323720	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.56 -1.21 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.08 -1.59 -3.23	37.62 -1.57 -3.52	37.64 -1.51 -4.11	41.42 -1.69 -4.68	48.76 -2.14 -5.37	59.53 -2.76 -4.82	48.77 -1.86 -6.33	51.34 -2.24 -5.87	48.72 -2.23 -4.39	42.88 -1.75 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
REGAN___SOLAR 323812	56.46 2.69 -18.41	55.42 2.55 -19.36	53.33 2.67 -14.09	50.38 2.64 -10.58	52.53 2.63 -14.36	54.85 2.25 -23.37	60.84 2.53 -25.48	68.45 2.55 -32.82	61.71 2.86 -22.59	58.69 2.48 -19.74	83.79 1.95 -49.89	76.53 1.92 -42.15	74.71 2.09 -37.18	78.39 2.14 -40.59	84.56 2.17 -47.36	95.27 3.00 -53.85	111.32 3.92 -61.88	118.12 5.17 -55.47	121.23 3.99 -72.94	119.65 4.30 -67.65	101.20 4.10 -50.53	98.02 3.39 -54.75	90.01 3.23 -46.37	78.69 3.93 -22.99
RENSSELAER___COGEN 23796	52.60 0.53 -16.71	51.59 0.50 -17.57	49.91 0.55 -12.79	47.29 0.52 -9.60	49.11 0.53 -13.04	50.88 0.44 -21.21	56.43 0.46 -23.14	63.31 0.43 -29.80	57.32 0.54 -20.51	54.98 0.58 -17.92	78.12 0.86 -45.31	71.65 0.91 -38.27	70.20 0.99 -33.76	73.56 1.03 -36.86	79.06 1.02 -43.00	88.02 0.69 -48.90	102.49 0.77 -56.20	108.82 0.98 -50.37	111.29 0.75 -66.24	109.90 0.76 -61.43	93.25 0.79 -45.89	90.28 0.68 -49.72	83.57 1.05 -42.11	74.14 1.50 -20.87
REPUBLIC_115KV_BARTNBRK 55605	56.62 4.03 -17.24	55.46 3.82 -18.12	53.82 4.06 -13.19	51.04 3.98 -9.90	53.07 4.09 -13.44	54.59 3.48 -21.88	60.64 3.94 -23.87	67.79 3.97 -30.74	62.06 4.64 -21.16	59.41 4.45 -18.48	81.68 3.00 -46.73	74.90 2.95 -39.47	73.60 3.33 -34.82	76.85 3.17 -38.01	82.44 3.05 -44.35	92.70 3.84 -50.43	108.40 4.92 -57.96	115.86 6.44 -51.95	117.53 4.92 -68.31	116.26 5.20 -63.36	98.84 4.94 -47.33	95.10 3.95 -51.27	87.72 3.88 -43.43	78.10 4.81 -21.52
REVERE_CPDR_DRP 24186	36.86 0.85 -0.66	34.97 0.77 -0.69	37.88 0.80 -0.50	38.40 0.85 -0.38	36.80 0.75 -0.51	30.65 0.58 -0.83	34.53 0.79 -0.91	35.31 1.06 -1.17	38.22 1.16 -0.81	38.31 1.13 -0.70	34.66 0.93 -1.78	34.88 0.91 -1.50	37.84 1.06 -1.33	38.22 1.11 -1.45	37.85 1.12 -1.69	41.66 1.31 -1.92	49.46 1.73 -2.21	61.81 2.36 -1.98	48.59 1.68 -2.60	52.12 2.00 -2.41	50.33 1.96 -1.80	43.35 1.52 -1.95	43.44 1.37 -1.65	54.14 1.55 -0.82
REYNOLDS_115KV_TB3 80639	52.95 0.85 -16.74	51.92 0.80 -17.60	50.26 0.88 -12.81	47.64 0.85 -9.62	49.45 0.85 -13.06	51.18 0.70 -21.25	56.77 0.76 -23.18	63.66 0.73 -29.85	57.71 0.91 -20.55	55.37 0.95 -17.95	78.36 1.02 -45.39	71.88 1.07 -38.34	70.43 1.17 -33.82	73.80 1.21 -36.92	79.31 1.19 -43.08	88.45 1.04 -48.98	103.09 1.27 -56.29	109.48 1.55 -50.46	111.84 1.20 -66.35	110.53 1.29 -61.54	93.80 1.26 -45.97	90.80 1.12 -49.80	83.92 1.33 -42.18	74.48 1.81 -20.90
RIVERBAY____ 323610	51.74 2.30 -14.09	50.34 2.01 -14.81	49.40 2.05 -10.78	47.41 2.16 -8.09	48.56 2.03 -10.99	48.78 1.67 -17.88	54.23 1.90 -19.49	60.06 1.89 -25.10	55.93 2.39 -17.28	54.12 2.55 -15.10	72.35 2.24 -38.17	67.02 2.31 -32.24	66.44 2.55 -28.44	69.10 2.39 -31.05	73.43 2.17 -36.22	82.19 2.57 -41.19	95.77 2.91 -47.34	103.87 3.97 -42.43	103.15 3.06 -55.79	102.55 3.10 -51.75	88.07 2.84 -38.66	84.39 2.63 -41.88	78.67 2.79 -35.47	72.87 3.52 -17.59
RIVERSIDE_115KV_TB3 55908	52.84 0.71 -16.78	51.82 0.67 -17.64	50.14 0.73 -12.84	47.51 0.71 -9.64	49.34 0.71 -13.08	51.11 0.58 -21.29	56.69 0.62 -23.23	63.59 0.60 -29.92	57.61 0.76 -20.59	55.27 0.80 -17.99	78.42 0.99 -45.48	71.93 1.04 -38.42	70.47 1.13 -33.89	73.80 1.14 -37.00	79.36 1.16 -43.17	88.40 0.88 -49.08	103.03 1.09 -56.41	109.42 1.38 -50.56	111.81 1.02 -66.49	110.47 1.10 -61.67	93.71 1.07 -46.06	90.75 0.96 -49.91	83.93 1.25 -42.27	74.42 1.71 -20.95
ROARING___BROOK_WT_PWR 323790	33.87 -1.48 0.00	32.11 -1.41 0.00	35.18 -1.39 0.00	35.61 -1.56 0.00	34.02 -1.53 0.00	27.83 -1.40 0.00	31.39 -1.44 0.00	31.86 -1.22 0.00	35.03 -1.23 0.00	35.41 -1.06 0.00	30.99 -0.96 0.00	31.53 -0.94 0.00	34.52 -0.92 0.00	34.77 -0.89 0.00	34.13 -0.91 0.00	37.39 -1.04 0.00	44.66 -0.87 0.00	56.44 -1.03 0.00	43.41 -0.89 0.00	46.80 -0.91 0.00	45.96 -0.61 0.00	39.45 -0.44 0.00	40.13 -0.28 0.00	51.82 0.05 0.00

ROCHESRG_115KV_T4 355643	35.56 -1.34 -1.55	33.80 -1.34 -1.63	36.26 -1.50 -1.19	36.57 -1.49 -0.89	35.44 -1.32 -1.21	30.12 -1.08 -1.97	33.63 -1.41 -2.21	34.14 -1.79 -2.85	36.15 -2.07 -1.96	36.07 -2.12 -1.71	34.49 -1.79 -4.33	34.28 -1.85 -3.66	36.69 -1.98 -3.23	37.15 -2.03 -3.52	37.18 -1.96 -4.11	40.99 -2.11 -4.67	48.34 -2.55 -5.37	58.78 -3.51 -4.81	48.24 -2.39 -6.33	50.81 -2.77 -5.87	48.16 -2.79 -4.38	42.48 -2.15 -4.75	42.45 -1.98 -4.02	51.68 -2.02 -1.94
ROCHESTER_9_IC 23652	35.75 -1.17 -1.56	33.95 -1.21 -1.64	36.42 -1.35 -1.20	36.73 -1.34 -0.90	35.59 -1.17 -1.22	30.25 -0.96 -1.98	33.80 -1.25 -2.21	34.31 -1.62 -2.85	36.33 -1.89 -1.96	36.22 -1.97 -1.71	34.65 -1.63 -4.33	34.44 -1.69 -3.66	36.87 -1.81 -3.23	37.37 -1.82 -3.52	37.36 -1.79 -4.11	41.22 -1.88 -4.68	48.62 -2.28 -5.37	59.19 -3.10 -4.82	48.55 -2.08 -6.33	51.15 -2.43 -5.87	48.49 -2.47 -4.39	42.72 -1.91 -4.75	42.66 -1.78 -4.03	51.96 -1.76 -1.95
ROCKVIEW_13_KV_LD 356306	51.39 1.94 -14.09	50.07 1.74 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.20 1.87 -19.49	60.10 1.92 -25.10	55.89 2.36 -17.28	53.98 2.41 -15.10	72.16 2.04 -38.16	66.79 2.08 -32.24	66.12 2.23 -28.44	68.88 2.18 -31.05	73.29 2.03 -36.22	82.04 2.42 -41.19	95.63 2.78 -47.34	103.64 3.74 -42.43	103.01 2.92 -55.79	102.45 3.01 -51.75	88.07 2.84 -38.65	84.11 2.35 -41.88	78.10 2.22 -35.47	71.99 2.64 -17.59
ROME____115KV_TB2 80656	36.86 0.85 -0.66	34.97 0.77 -0.69	37.88 0.80 -0.50	38.40 0.85 -0.38	36.80 0.75 -0.51	30.65 0.58 -0.83	34.53 0.79 -0.91	35.31 1.06 -1.17	38.22 1.16 -0.81	38.31 1.13 -0.70	34.66 0.93 -1.78	34.88 0.91 -1.50	37.84 1.06 -1.33	38.22 1.11 -1.45	37.85 1.12 -1.69	41.66 1.31 -1.92	49.46 1.73 -2.21	61.81 2.36 -1.98	48.59 1.68 -2.60	52.12 2.00 -2.41	50.33 1.96 -1.80	43.35 1.52 -1.95	43.44 1.37 -1.65	54.14 1.55 -0.82
ROSETON___1 23587	50.96 1.52 -14.08	49.73 1.41 -14.81	48.81 1.46 -10.78	46.78 1.52 -8.09	47.99 1.46 -10.98	48.36 1.26 -17.88	53.80 1.48 -19.49	59.70 1.52 -25.10	55.38 1.85 -17.28	53.50 1.93 -15.09	71.74 1.63 -38.16	66.33 1.62 -32.23	65.58 1.70 -28.43	68.34 1.64 -31.04	72.83 1.58 -36.22	81.53 1.92 -41.18	95.17 2.32 -47.33	102.94 3.04 -42.42	102.47 2.39 -55.78	101.92 2.48 -51.74	87.59 2.37 -38.65	83.75 1.99 -41.87	77.73 1.86 -35.46	71.47 2.12 -17.59
ROSETON___2 23588	50.96 1.52 -14.08	49.73 1.41 -14.81	48.81 1.46 -10.78	46.78 1.52 -8.09	47.99 1.46 -10.98	48.36 1.26 -17.88	53.80 1.48 -19.49	59.70 1.52 -25.10	55.38 1.85 -17.28	53.50 1.93 -15.09	71.74 1.63 -38.16	66.33 1.62 -32.23	65.58 1.70 -28.43	68.34 1.64 -31.04	72.83 1.58 -36.22	81.53 1.92 -41.18	95.17 2.32 -47.33	102.94 3.04 -42.42	102.47 2.39 -55.78	101.92 2.48 -51.74	87.59 2.37 -38.65	83.75 1.99 -41.87	77.73 1.86 -35.46	71.47 2.12 -17.59
ROTRDAM_115KV_TB3 80664	53.87 1.10 -17.41	52.86 1.04 -18.31	51.03 1.13 -13.32	48.28 1.12 -10.00	50.23 1.10 -13.58	52.27 0.94 -22.10	57.96 1.02 -24.11	65.19 1.06 -31.05	58.87 1.23 -21.37	56.31 1.17 -18.68	80.09 0.93 -47.21	73.26 0.91 -39.88	71.65 1.03 -35.18	75.07 1.00 -38.41	80.86 1.02 -44.81	90.61 1.23 -50.95	105.58 1.50 -58.56	111.91 1.95 -52.49	114.78 1.46 -69.02	113.29 1.57 -64.01	95.92 1.54 -47.82	92.96 1.28 -51.80	85.58 1.29 -43.87	75.11 1.60 -21.74
RUSSELL___1 23602	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.53 -1.24 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.04 -1.63 -3.23	37.51 -1.68 -3.52	37.54 -1.61 -4.11	41.42 -1.69 -4.68	48.89 -2.00 -5.37	59.48 -2.82 -4.82	48.82 -1.82 -6.33	51.43 -2.15 -5.87	48.72 -2.24 -4.39	42.96 -1.68 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
RUSSELL___2 23532	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.53 -1.24 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.04 -1.63 -3.23	37.51 -1.68 -3.52	37.54 -1.61 -4.11	41.42 -1.69 -4.68	48.89 -2.00 -5.37	59.48 -2.82 -4.82	48.82 -1.82 -6.33	51.43 -2.15 -5.87	48.72 -2.24 -4.39	42.96 -1.68 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
RUSSELL___3 23549	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.53 -1.24 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.04 -1.63 -3.23	37.51 -1.68 -3.52	37.54 -1.61 -4.11	41.42 -1.69 -4.68	48.89 -2.00 -5.37	59.48 -2.82 -4.82	48.82 -1.82 -6.33	51.43 -2.15 -5.87	48.72 -2.24 -4.39	42.96 -1.68 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
RUSSELL___4 23556	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.53 -1.24 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.04 -1.63 -3.23	37.51 -1.68 -3.52	37.54 -1.61 -4.11	41.42 -1.69 -4.68	48.89 -2.00 -5.37	59.48 -2.82 -4.82	48.82 -1.82 -6.33	51.43 -2.15 -5.87	48.72 -2.24 -4.39	42.96 -1.68 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
RUSSELL__STATION 23914	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.53 -1.24 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.04 -1.63 -3.23	37.51 -1.68 -3.52	37.54 -1.61 -4.11	41.42 -1.69 -4.68	48.89 -2.00 -5.37	59.48 -2.82 -4.82	48.82 -1.82 -6.33	51.43 -2.15 -5.87	48.72 -2.24 -4.39	42.96 -1.68 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
S SALMON__HYD 24043	35.66 -0.64 -0.94	33.87 -0.64 -0.99	36.60 -0.70 -0.72	37.00 -0.71 -0.54	35.60 -0.68 -0.74	29.87 -0.56 -1.20	33.51 -0.62 -1.31	34.20 -0.56 -1.68	36.73 -0.69 -1.16	36.83 -0.66 -1.01	33.90 -0.61 -2.56	34.01 -0.62 -2.16	36.68 -0.67 -1.90	37.10 -0.64 -2.08	36.83 -0.63 -2.43	40.50 -0.69 -2.76	47.96 -0.73 -3.17	59.46 -0.86 -2.84	47.32 -0.71 -3.74	50.50 -0.67 -3.47	48.55 -0.61 -2.59	42.09 -0.60 -2.80	42.10 -0.69 -2.38	52.01 -0.93 -1.18
S.PERRY__115KV_TB1 80734	37.17 -0.42 -2.24	35.37 -0.50 -2.36	37.70 -0.59 -1.71	37.93 -0.52 -1.29	36.94 -0.36 -1.75	31.78 -0.29 -2.84	35.43 -0.36 -2.95	36.45 -0.43 -3.80	38.22 -0.65 -2.62	37.74 -1.02 -2.29	36.74 -0.99 -5.78	36.28 -1.07 -4.88	38.62 -1.13 -4.31	39.22 -1.14 -4.70	39.47 -1.05 -5.49	43.94 -0.73 -6.24	52.24 -0.46 -7.17	63.39 -0.52 -6.43	52.66 -0.09 -8.45	55.26 -0.29 -7.84	52.01 -0.42 -5.86	45.87 -0.36 -6.34	45.38 -0.40 -5.37	54.30 -0.26 -2.80
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	34.74 -2.62 -2.00	33.04 -2.58 -2.10	35.29 -2.82 -1.53	35.49 -2.82 -1.15	34.62 -2.49 -1.56	29.75 -2.02 -2.54	32.35 -2.66 -2.18	32.78 -3.11 -2.81	34.68 -3.52 -1.93	34.51 -3.65 -1.69	33.11 -3.10 -4.26	32.86 -3.21 -3.60	35.12 -3.51 -3.18	35.64 -3.49 -3.47	35.72 -3.36 -4.05	39.42 -3.61 -4.60	46.44 -4.37 -5.29	56.41 -5.81 -4.74	46.41 -4.12 -6.23	48.76 -4.72 -5.78	46.23 -4.66 -4.32	40.85 -3.71 -4.68	40.94 -3.44 -3.96	50.59 -3.68 -2.50

SAWYER___23_KV_LOAD 55526	34.74 -2.62 -2.00	33.04 -2.58 -2.10	35.29 -2.82 -1.53	35.49 -2.82 -1.15	34.62 -2.49 -1.56	29.75 -2.02 -2.54	32.35 -2.66 -2.18	32.78 -3.11 -2.81	34.68 -3.52 -1.93	34.51 -3.65 -1.69	33.11 -3.10 -4.26	32.86 -3.21 -3.60	35.12 -3.51 -3.18	35.64 -3.49 -3.47	35.72 -3.36 -4.05	39.42 -3.61 -4.60	46.44 -4.37 -5.29	56.41 -5.81 -4.74	46.41 -4.12 -6.23	48.76 -4.72 -5.78	46.23 -4.66 -4.32	40.85 -3.71 -4.68	40.94 -3.44 -3.96	50.59 -3.68 -2.50
SELKIRK___I 23801	52.68 0.85 -16.48	51.68 0.84 -17.33	50.10 0.91 -12.61	47.52 0.89 -9.46	49.28 0.89 -12.85	50.88 0.73 -20.91	56.41 0.76 -22.82	63.19 0.73 -29.38	57.28 0.80 -20.23	54.91 0.77 -17.67	77.49 0.86 -44.67	71.08 0.88 -37.74	69.72 0.99 -33.29	73.04 1.03 -36.34	78.49 1.05 -42.40	87.64 1.00 -48.21	102.07 1.14 -55.41	108.58 1.44 -49.66	110.67 1.06 -65.31	109.47 1.19 -60.57	92.98 1.16 -45.25	89.94 1.04 -49.02	83.18 1.25 -41.52	74.05 1.71 -20.57
SELKIRK___II 23799	52.67 0.67 -16.64	51.65 0.64 -17.50	50.00 0.69 -12.73	47.43 0.70 -9.56	49.20 0.67 -12.98	50.91 0.55 -21.12	56.47 0.59 -23.04	63.35 0.60 -29.68	57.41 0.72 -20.43	55.05 0.73 -17.85	77.93 0.86 -45.12	71.46 0.88 -38.11	70.02 0.96 -33.62	73.36 1.00 -36.70	78.84 0.98 -42.82	87.97 0.84 -48.69	102.44 0.96 -55.96	108.84 1.21 -50.16	111.19 0.93 -65.96	109.88 1.00 -61.17	93.25 0.98 -45.70	90.27 0.88 -49.51	83.43 1.09 -41.93	73.99 1.45 -20.78
SENECA OSWGO___HYD 24041	35.73 -0.67 -1.05	33.98 -0.64 -1.10	36.64 -0.73 -0.80	37.06 -0.71 -0.60	35.68 -0.68 -0.82	30.04 -0.53 -1.33	33.69 -0.59 -1.45	34.29 -0.66 -1.87	36.71 -0.83 -1.29	36.72 -0.88 -1.12	34.02 -0.77 -2.84	34.09 -0.78 -2.40	36.71 -0.85 -2.12	37.15 -0.82 -2.31	36.93 -0.80 -2.70	40.61 -0.88 -3.07	47.95 -1.09 -3.52	59.31 -1.32 -3.16	47.44 -1.02 -4.15	50.41 -1.15 -3.85	48.29 -1.16 -2.88	41.93 -1.07 -3.12	41.92 -1.13 -2.64	51.62 -1.45 -1.31
SENECA___115KV_TB3 355854	34.93 -2.51 -2.08	33.19 -2.51 -2.19	35.42 -2.74 -1.59	35.65 -2.71 -1.20	34.79 -2.38 -1.62	29.94 -1.93 -2.64	32.68 -2.50 -2.35	33.32 -2.78 -3.02	35.18 -3.15 -2.08	35.01 -3.28 -1.82	33.73 -2.81 -4.59	33.46 -2.89 -3.88	35.71 -3.15 -3.42	36.22 -3.17 -3.73	36.38 -3.01 -4.36	40.23 -3.15 -4.95	47.43 -3.78 -5.69	57.63 -4.94 -5.10	47.55 -3.46 -6.71	49.92 -4.01 -6.22	47.31 -3.91 -4.65	41.73 -3.19 -5.03	41.65 -3.03 -4.26	50.95 -3.42 -2.60
SENECA___ENERGY 23797	36.44 -0.60 -1.69	34.68 -0.60 -1.77	37.21 -0.66 -1.29	37.47 -0.67 -0.97	36.25 -0.60 -1.32	30.93 -0.44 -2.14	34.68 -0.49 -2.34	35.53 -0.56 -3.01	37.60 -0.72 -2.07	37.44 -0.84 -1.81	35.79 -0.73 -4.57	35.59 -0.75 -3.86	38.04 -0.81 -3.41	38.56 -0.82 -3.72	38.64 -0.74 -4.34	42.67 -0.69 -4.93	50.33 -0.92 -5.67	61.64 -0.92 -5.08	50.32 -0.66 -6.68	53.05 -0.86 -6.20	50.27 -0.93 -4.63	44.10 -0.80 -5.02	43.81 -0.85 -4.25	52.73 -1.14 -2.11
SHOEMAKER___GT 23640	49.56 1.34 -12.86	48.28 1.24 -13.52	47.69 1.28 -9.84	45.89 1.34 -7.39	46.85 1.28 -10.03	46.67 1.11 -16.32	51.91 1.28 -17.80	57.35 1.36 -22.92	53.63 1.59 -15.77	51.90 1.64 -13.78	68.13 1.34 -34.84	63.23 1.33 -29.43	62.79 1.38 -25.96	65.36 1.35 -28.34	69.44 1.33 -33.07	77.68 1.65 -37.60	90.83 2.10 -43.22	98.97 2.76 -38.73	97.36 2.13 -50.93	97.19 2.24 -47.24	83.96 2.10 -35.29	79.87 1.75 -38.23	74.45 1.66 -32.38	69.64 1.81 -16.06
SHOEMAKR_138KV_BK 111 55601	49.45 1.34 -12.75	48.13 1.21 -13.41	47.57 1.24 -9.76	45.79 1.30 -7.32	46.77 1.28 -9.94	46.52 1.11 -16.18	51.75 1.28 -17.64	57.12 1.32 -22.72	53.49 1.60 -15.64	51.78 1.64 -13.66	67.83 1.34 -34.54	62.98 1.33 -29.18	62.63 1.45 -25.74	65.19 1.43 -28.10	69.18 1.37 -32.78	77.36 1.65 -37.27	90.27 1.91 -42.84	98.46 2.59 -38.40	96.78 1.99 -50.49	96.58 2.05 -46.83	83.51 1.96 -34.98	79.46 1.68 -37.90	74.05 1.54 -32.10	69.50 1.81 -15.92
SHOREHAM_IC_1 23715	53.81 2.69 -15.76	51.05 2.71 -14.83	49.62 2.27 -10.78	48.12 2.86 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.49 2.92 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.73 1.84 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.63 3.00 -41.21	118.98 3.92 -69.54	140.86 4.77 -78.61	127.61 3.76 -79.55	116.89 4.24 -64.94	110.93 4.10 -60.26	100.82 3.31 -57.62	78.97 3.07 -35.48	72.93 3.57 -17.59
SHOREHAM_IC_2 23716	53.81 2.69 -15.76	51.05 2.71 -14.83	49.62 2.27 -10.78	48.12 2.86 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.49 2.92 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.73 1.84 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.63 3.00 -41.21	118.98 3.92 -69.54	140.86 4.77 -78.61	127.61 3.76 -79.55	116.89 4.24 -64.94	110.93 4.10 -60.26	100.82 3.31 -57.62	78.97 3.07 -35.48	72.93 3.57 -17.59
SISSONVILLE___ 23735	33.71 -1.94 -0.29	31.94 -1.88 -0.31	35.12 -1.68 -0.22	35.18 -2.16 -0.17	33.67 -2.10 -0.23	27.47 -2.13 -0.37	31.20 -2.04 -0.40	32.18 -1.42 -0.52	35.31 -1.31 -0.36	35.84 -0.95 -0.31	31.75 -0.99 -0.79	32.17 -0.97 -0.67	35.22 -0.82 -0.59	35.56 -0.75 -0.64	34.95 -0.84 -0.75	38.25 -1.04 -0.86	46.23 -0.27 -0.98	58.41 0.06 -0.88	45.19 -0.27 -1.16	48.78 0.00 -1.07	47.93 0.56 -0.80	40.91 0.16 -0.87	41.35 0.20 -0.74	53.11 0.98 -0.37
SITHE_IND_GS1 24169	35.15 -1.03 -0.82	33.40 -0.97 -0.86	36.14 -1.06 -0.63	36.56 -1.08 -0.47	35.15 -1.03 -0.64	29.45 -0.82 -1.04	33.03 -0.95 -1.15	33.53 -1.03 -1.48	35.97 -1.30 -1.02	36.05 -1.31 -0.89	33.07 -1.12 -2.24	33.23 -1.14 -1.89	35.88 -1.24 -1.67	36.24 -1.25 -1.82	35.94 -1.23 -2.13	39.43 -1.42 -2.42	46.57 -1.73 -2.78	57.79 -2.18 -2.49	45.90 -1.68 -3.28	48.88 -1.86 -3.04	47.03 -1.82 -2.27	40.79 -1.56 -2.46	40.92 -1.58 -2.08	50.82 -1.97 -1.02
SITHE_IND_GS2 24170	35.15 -1.03 -0.82	33.40 -0.97 -0.86	36.14 -1.06 -0.63	36.56 -1.08 -0.47	35.15 -1.03 -0.64	29.45 -0.82 -1.04	33.03 -0.95 -1.15	33.53 -1.03 -1.48	35.97 -1.30 -1.02	36.05 -1.31 -0.89	33.07 -1.12 -2.24	33.23 -1.14 -1.89	35.88 -1.24 -1.67	36.24 -1.25 -1.82	35.94 -1.23 -2.13	39.43 -1.42 -2.42	46.57 -1.73 -2.78	57.79 -2.18 -2.49	45.90 -1.68 -3.28	48.88 -1.86 -3.04	47.03 -1.82 -2.27	40.79 -1.56 -2.46	40.92 -1.58 -2.08	50.82 -1.97 -1.02
SITHE_IND_GS3 24171	35.15 -1.03 -0.82	33.40 -0.97 -0.86	36.14 -1.06 -0.63	36.56 -1.08 -0.47	35.15 -1.03 -0.64	29.45 -0.82 -1.04	33.03 -0.95 -1.15	33.53 -1.03 -1.48	35.97 -1.30 -1.02	36.05 -1.31 -0.89	33.07 -1.12 -2.24	33.23 -1.14 -1.89	35.88 -1.24 -1.67	36.24 -1.25 -1.82	35.94 -1.23 -2.13	39.43 -1.42 -2.42	46.57 -1.73 -2.78	57.79 -2.18 -2.49	45.90 -1.68 -3.28	48.88 -1.86 -3.04	47.03 -1.82 -2.27	40.79 -1.56 -2.46	40.92 -1.58 -2.08	50.82 -1.97 -1.02
SITHE_IND_GS4 24172	35.15 -1.03 -0.82	33.40 -0.97 -0.86	36.14 -1.06 -0.63	36.56 -1.08 -0.47	35.15 -1.03 -0.64	29.45 -0.82 -1.04	33.03 -0.95 -1.15	33.53 -1.03 -1.48	35.97 -1.30 -1.02	36.05 -1.31 -0.89	33.07 -1.12 -2.24	33.23 -1.14 -1.89	35.88 -1.24 -1.67	36.24 -1.25 -1.82	35.94 -1.23 -2.13	39.43 -1.42 -2.42	46.57 -1.73 -2.78	57.79 -2.18 -2.49	45.90 -1.68 -3.28	48.88 -1.86 -3.04	47.03 -1.82 -2.27	40.79 -1.56 -2.46	40.92 -1.58 -2.08	50.82 -1.97 -1.02

SITHE____BATAVIA 24024	35.52 -1.63 -1.79	33.68 -1.71 -1.88	36.08 -1.86 -1.37	36.34 -1.86 -1.03	35.37 -1.56 -1.39	30.19 -1.31 -2.27	33.27 -1.74 -2.18	33.77 -2.12 -2.81	35.80 -2.39 -1.93	35.61 -2.55 -1.69	34.07 -2.14 -4.26	33.83 -2.24 -3.60	36.25 -2.37 -3.18	36.78 -2.35 -3.47	36.88 -2.21 -4.05	40.57 -2.46 -4.60	47.80 -3.01 -5.29	58.42 -3.80 -4.74	47.92 -2.61 -6.23	50.38 -3.10 -5.78	47.81 -3.08 -4.32	42.09 -2.47 -4.68	42.15 -2.22 -3.96	51.77 -2.22 -2.23
SITHE____INDEPEND 23800	35.15 -1.03 -0.82	33.40 -0.97 -0.86	36.10 -1.10 -0.63	36.56 -1.08 -0.47	35.15 -1.03 -0.64	29.45 -0.82 -1.04	33.03 -0.95 -1.15	33.53 -1.03 -1.48	35.97 -1.31 -1.02	36.05 -1.31 -0.89	33.07 -1.12 -2.24	33.23 -1.14 -1.89	35.84 -1.28 -1.67	36.20 -1.28 -1.82	35.94 -1.23 -2.13	39.43 -1.42 -2.42	46.57 -1.73 -2.78	57.79 -2.18 -2.49	45.90 -1.68 -3.28	48.93 -1.81 -3.04	47.03 -1.82 -2.27	40.79 -1.56 -2.46	40.96 -1.54 -2.08	50.82 -1.97 -1.02
SITHE____MASSENA 23902	33.60 -1.98 -0.22	31.83 -1.91 -0.23	35.06 -1.68 -0.17	35.14 -2.16 -0.12	33.58 -2.13 -0.17	27.34 -2.16 -0.28	31.03 -2.10 -0.30	31.91 -1.55 -0.39	35.07 -1.45 -0.27	35.65 -1.06 -0.23	31.45 -1.09 -0.59	31.93 -1.04 -0.50	34.96 -0.92 -0.44	35.32 -0.82 -0.48	34.65 -0.94 -0.56	37.91 -1.15 -0.64	45.84 -0.41 -0.73	57.79 -0.34 -0.65	44.58 -0.58 -0.86	48.03 -0.48 -0.80	47.31 0.14 -0.60	40.57 0.04 -0.65	41.04 0.08 -0.55	53.02 0.98 -0.27
SITHE____OGDNSBRG 24021	34.03 -1.59 -0.26	32.25 -1.54 -0.28	35.50 -1.28 -0.20	35.57 -1.75 -0.15	33.97 -1.78 -0.21	27.66 -1.90 -0.33	31.46 -1.74 -0.36	32.52 -1.03 -0.47	35.71 -0.87 -0.32	36.28 -0.47 -0.28	32.02 -0.64 -0.71	32.49 -0.58 -0.60	35.59 -0.39 -0.53	35.92 -0.32 -0.58	35.26 -0.46 -0.68	38.62 -0.58 -0.77	46.82 0.41 -0.89	59.19 0.92 -0.79	45.74 0.40 -1.04	49.34 0.67 -0.97	48.55 1.26 -0.72	41.38 0.72 -0.78	41.84 0.77 -0.66	53.80 1.71 -0.33
SITHE____STERLING 23777	36.83 0.71 -0.77	34.99 0.67 -0.81	37.85 0.69 -0.59	38.35 0.74 -0.44	36.78 0.64 -0.60	30.76 0.55 -0.97	34.58 0.69 -1.06	35.34 0.89 -1.37	38.14 0.94 -0.94	38.21 0.91 -0.82	34.76 0.74 -2.08	34.97 0.75 -1.75	37.84 0.85 -1.55	38.24 0.89 -1.69	37.88 0.88 -1.97	41.71 1.04 -2.24	49.46 1.36 -2.58	61.57 1.78 -2.31	48.62 1.29 -3.04	52.00 1.48 -2.82	50.07 1.40 -2.10	43.28 1.12 -2.28	43.31 0.97 -1.93	53.86 1.14 -0.96
SLEIGHT__34_KV_TB1 80719	35.98 -0.92 -1.54	34.22 -0.90 -1.62	36.73 -1.02 -1.18	37.01 -1.04 -0.88	35.82 -0.92 -1.20	30.45 -0.73 -1.95	34.12 -0.89 -2.17	34.82 -1.06 -2.80	36.91 -1.27 -1.92	36.80 -1.35 -1.68	35.05 -1.15 -4.25	34.89 -1.17 -3.59	37.37 -1.24 -3.17	37.87 -1.25 -3.46	37.88 -1.19 -4.03	41.83 -1.19 -4.59	49.38 -1.41 -5.27	60.30 -1.90 -4.73	49.23 -1.28 -6.21	51.89 -1.57 -5.76	49.25 -1.63 -4.31	43.19 -1.36 -4.66	43.03 -1.33 -3.95	52.23 -1.45 -1.92
SOUTH CAIRO____GT 23612	52.90 1.59 -15.95	51.75 1.47 -16.77	50.35 1.57 -12.20	47.85 1.52 -9.16	49.54 1.56 -12.44	50.81 1.34 -20.24	56.39 1.48 -22.08	62.97 1.46 -28.44	57.39 1.56 -19.57	54.89 1.31 -17.10	76.46 1.28 -43.23	70.29 1.30 -36.52	69.11 1.45 -32.21	72.33 1.50 -35.17	77.72 1.65 -41.03	86.89 1.81 -46.66	101.60 2.46 -53.62	108.87 3.33 -48.06	110.02 2.53 -63.20	108.85 2.53 -58.62	92.92 2.56 -43.79	89.39 2.07 -47.44	82.85 2.26 -40.18	74.47 2.80 -19.91
SOUTH HAMPTN____IC 23720	53.95 2.83 -15.76	51.15 2.82 -14.83	49.77 2.41 -10.78	48.23 2.97 -8.09	49.41 2.88 -10.99	49.64 2.51 -17.89	55.44 3.02 -19.59	61.28 3.08 -25.12	56.67 3.12 -17.29	54.64 3.06 -15.10	71.91 1.79 -38.17	66.79 2.08 -32.24	65.80 1.91 -28.44	68.78 2.07 -31.05	73.30 2.03 -36.23	82.75 3.11 -41.21	119.04 4.01 -69.51	141.03 5.00 -78.56	127.76 3.94 -79.52	117.01 4.39 -64.92	111.08 4.28 -60.23	101.00 3.51 -57.60	79.17 3.27 -35.48	73.29 3.93 -17.59
SOUTHDOW_115KV_TB1 355954	35.08 -2.51 -2.23	33.37 -2.48 -2.34	35.68 -2.60 -1.70	35.96 -2.49 -1.28	35.18 -2.10 -1.74	30.39 -1.67 -2.83	33.32 -2.10 -2.59	34.40 -2.02 -3.33	36.31 -2.25 -2.30	36.03 -2.44 -2.01	34.97 -2.04 -5.07	34.61 -2.14 -4.28	36.92 -2.30 -3.78	37.50 -2.28 -4.12	37.78 -2.07 -4.81	41.90 -2.00 -5.47	49.53 -2.28 -6.28	60.63 -2.47 -5.63	49.93 -1.77 -7.40	52.38 -2.19 -6.87	49.61 -2.10 -5.13	43.61 -1.83 -5.56	43.34 -1.78 -4.71	52.32 -2.23 -2.78
SOUTHOLD_69_KV_BK 2 55809	54.02 2.90 -15.76	51.15 2.81 -14.83	49.77 2.41 -10.78	48.12 2.86 -8.09	49.41 2.88 -10.99	49.66 2.54 -17.89	55.51 3.09 -19.59	61.31 3.11 -25.12	56.78 3.23 -17.29	54.71 3.14 -15.10	71.78 1.66 -38.17	66.73 2.01 -32.24	65.73 1.84 -28.44	68.75 2.03 -31.05	73.23 1.96 -36.23	82.75 3.11 -41.21	118.86 3.82 -69.51	141.04 5.00 -78.56	127.63 3.81 -79.52	116.92 4.29 -64.92	111.04 4.24 -60.23	101.04 3.55 -57.60	79.21 3.31 -35.48	73.60 4.24 -17.59
SOUTHOLD____IC 23719	54.02 2.90 -15.76	51.15 2.82 -14.83	49.77 2.41 -10.78	48.23 2.97 -8.09	49.41 2.88 -10.99	49.66 2.54 -17.89	55.50 3.09 -19.59	61.37 3.18 -25.12	56.77 3.23 -17.29	54.71 3.14 -15.10	71.78 1.66 -38.17	66.73 2.01 -32.24	65.69 1.81 -28.44	68.71 2.00 -31.05	73.23 1.96 -36.23	82.75 3.11 -41.21	118.99 3.96 -69.51	141.04 5.00 -78.56	127.76 3.94 -79.52	117.01 4.39 -64.92	111.17 4.38 -60.23	101.11 3.63 -57.60	79.29 3.40 -35.48	73.65 4.29 -17.59
SOUTH_FORK_WT_PWR 323839	53.63 2.51 -15.76	50.82 2.48 -14.83	49.36 2.01 -10.78	47.86 2.60 -8.09	49.06 2.52 -10.99	49.37 2.25 -17.89	55.18 2.76 -19.59	61.07 2.88 -25.12	56.41 2.86 -17.29	54.38 2.81 -15.10	71.37 1.24 -38.17	66.34 1.62 -32.24	65.27 1.38 -28.44	68.28 1.57 -31.05	72.81 1.54 -36.23	82.28 2.65 -41.21	118.36 3.32 -69.51	140.23 4.19 -78.56	127.18 3.37 -79.52	116.45 3.82 -64.92	110.66 3.86 -60.23	100.71 3.23 -57.60	78.93 3.03 -35.48	73.34 3.99 -17.59
SPIERFLS_115KV_TB 1 80737	54.98 2.37 -17.25	53.90 2.25 -18.14	52.15 2.38 -13.20	49.42 2.34 -9.91	51.38 2.38 -13.46	53.12 1.99 -21.90	58.99 2.27 -23.89	66.13 2.28 -30.77	60.12 2.68 -21.18	57.53 2.55 -18.50	80.07 1.34 -46.78	73.25 1.27 -39.51	71.75 1.45 -34.86	75.07 1.36 -38.05	80.73 1.30 -44.40	90.60 1.69 -50.48	105.73 2.19 -58.02	112.41 2.93 -52.00	114.90 2.21 -68.38	113.47 2.34 -63.42	96.14 2.19 -47.38	92.97 1.75 -51.33	85.66 1.78 -43.47	75.54 2.23 -21.54
ST LAWRENCE____ 23600	33.09 -2.26 0.00	31.33 -2.18 0.00	34.56 -2.01 0.00	34.71 -2.45 0.00	33.16 -2.38 0.00	26.86 -2.37 0.00	30.47 -2.36 0.00	31.23 -1.85 0.00	34.45 -1.81 0.00	35.05 -1.42 0.00	30.58 -1.37 0.00	31.14 -1.33 0.00	34.20 -1.24 0.00	34.45 -1.21 0.00	33.71 -1.33 0.00	36.85 -1.58 0.00	44.56 -0.96 0.00	56.38 -1.09 0.00	43.19 -1.11 0.00	46.65 -1.05 0.00	46.11 -0.47 0.00	39.41 -0.48 0.00	40.05 -0.36 0.00	52.13 0.36 0.00
STATE_CA_115KV_115_LB 55624	52.91 0.67 -16.88	51.90 0.64 -17.75	50.15 0.66 -12.91	47.53 0.67 -9.69	49.38 0.68 -13.16	51.21 0.56 -21.42	56.80 0.59 -23.37	63.74 0.56 -30.10	57.70 0.73 -20.72	55.34 0.77 -18.10	78.73 1.02 -45.76	72.20 1.07 -38.65	70.71 1.17 -34.10	74.06 1.18 -37.22	79.62 1.16 -43.43	88.70 0.88 -49.38	103.32 1.05 -56.75	109.67 1.32 -50.87	112.21 1.02 -66.89	110.80 1.05 -62.04	93.99 1.07 -46.34	91.01 0.92 -50.21	84.19 1.25 -42.52	74.55 1.71 -21.07

STATE_ST_34_KV_LOAD 55959	36.92 -0.11 -1.67	35.16 -0.10 -1.75	37.67 -0.18 -1.28	37.98 -0.15 -0.96	36.70 -0.14 -1.30	31.29 -0.06 -2.12	35.11 -0.03 -2.31	36.02 -0.03 -2.97	38.20 -0.11 -2.05	38.04 -0.22 -1.79	36.28 -0.19 -4.52	36.09 -0.19 -3.82	38.60 -0.21 -3.37	39.16 -0.18 -3.68	39.19 -0.14 -4.29	43.27 -0.04 -4.88	51.08 -0.05 -5.61	62.56 0.06 -5.02	50.95 0.04 -6.61	53.78 -0.05 -6.13	51.01 -0.14 -4.58	44.60 -0.24 -4.96	44.29 -0.32 -4.20	53.38 -0.47 -2.08
STATION_5_MISC_HYD 23604	35.75 -1.17 -1.56	33.95 -1.21 -1.64	36.42 -1.35 -1.20	36.69 -1.37 -0.90	35.59 -1.17 -1.22	30.25 -0.96 -1.98	33.80 -1.25 -2.21	34.31 -1.62 -2.85	36.33 -1.89 -1.96	36.21 -1.97 -1.71	34.65 -1.63 -4.33	34.44 -1.69 -3.66	36.94 -1.74 -3.23	37.44 -1.75 -3.52	37.47 -1.68 -4.11	41.22 -1.88 -4.68	48.48 -2.41 -5.37	59.19 -3.10 -4.82	48.51 -2.13 -6.33	51.05 -2.53 -5.87	48.44 -2.52 -4.39	42.64 -1.99 -4.75	42.66 -1.78 -4.03	51.96 -1.76 -1.95
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	36.33 -0.60 -1.58	34.50 -0.67 -1.66	37.05 -0.73 -1.21	37.33 -0.74 -0.91	36.17 -0.60 -1.23	30.74 -0.50 -2.00	34.42 -0.62 -2.21	35.17 -0.76 -2.85	37.28 -0.94 -1.96	37.13 -1.06 -1.71	35.39 -0.89 -4.33	35.22 -0.91 -3.66	37.72 -0.96 -3.23	38.19 -1.00 -3.52	38.20 -0.95 -4.11	42.22 -0.88 -4.68	49.85 -1.05 -5.37	60.86 -1.44 -4.82	49.75 -0.89 -6.33	52.43 -1.14 -5.87	49.75 -1.21 -4.39	43.68 -0.96 -4.75	43.47 -0.97 -4.03	52.70 -1.04 -1.97
STA_56_34_KV_BUS2_REV_LBMP_B 345033	35.64 -1.27 -1.55	33.84 -1.31 -1.63	36.30 -1.46 -1.19	36.61 -1.45 -0.89	35.47 -1.28 -1.21	30.15 -1.05 -1.97	33.68 -1.35 -2.19	34.25 -1.65 -2.82	36.28 -1.92 -1.94	36.16 -2.01 -1.70	34.55 -1.69 -4.29	34.38 -1.72 -3.63	36.80 -1.84 -3.20	37.26 -1.89 -3.49	37.29 -1.82 -4.07	41.14 -1.92 -4.63	48.52 -2.32 -5.32	59.09 -3.16 -4.77	48.40 -2.17 -6.28	51.04 -2.48 -5.82	48.36 -2.56 -4.35	42.60 -1.99 -4.71	42.54 -1.86 -3.99	51.79 -1.92 -1.94
STA_56__34_KV_BUS2 355983	35.64 -1.27 -1.55	33.84 -1.31 -1.63	36.30 -1.46 -1.19	36.61 -1.45 -0.89	35.47 -1.28 -1.21	30.15 -1.05 -1.97	33.68 -1.35 -2.19	34.25 -1.65 -2.82	36.28 -1.92 -1.94	36.16 -2.01 -1.70	34.55 -1.69 -4.29	34.38 -1.72 -3.63	36.80 -1.84 -3.20	37.26 -1.89 -3.49	37.29 -1.82 -4.07	41.14 -1.92 -4.63	48.52 -2.32 -5.32	59.09 -3.16 -4.77	48.40 -2.17 -6.28	51.04 -2.48 -5.82	48.36 -2.56 -4.35	42.60 -1.99 -4.71	42.54 -1.86 -3.99	51.79 -1.92 -1.94
STA_67__115KV_BK2 355882	35.68 -1.24 -1.56	33.88 -1.27 -1.64	36.38 -1.39 -1.19	36.65 -1.41 -0.90	35.55 -1.21 -1.22	30.19 -1.02 -1.98	33.73 -1.31 -2.21	34.24 -1.69 -2.85	36.26 -1.96 -1.96	36.18 -2.01 -1.71	34.59 -1.69 -4.33	34.38 -1.75 -3.66	36.79 -1.88 -3.23	37.30 -1.89 -3.52	37.29 -1.86 -4.11	41.15 -1.96 -4.68	48.53 -2.37 -5.37	59.02 -3.28 -4.82	48.42 -2.21 -6.33	51.00 -2.58 -5.87	48.35 -2.61 -4.39	42.64 -1.99 -4.75	42.58 -1.86 -4.03	51.85 -1.86 -1.95
STA_7__115KV_9TRANS 80674	35.86 -1.06 -1.56	34.05 -1.11 -1.64	36.53 -1.24 -1.20	36.84 -1.23 -0.90	35.70 -1.07 -1.22	30.34 -0.88 -1.98	33.90 -1.15 -2.21	34.44 -1.49 -2.85	36.48 -1.74 -1.96	36.40 -1.79 -1.71	34.78 -1.50 -4.33	34.60 -1.53 -3.66	37.04 -1.63 -3.23	37.51 -1.68 -3.52	37.54 -1.61 -4.11	41.42 -1.69 -4.68	48.89 -2.00 -5.37	59.48 -2.82 -4.82	48.82 -1.82 -6.33	51.43 -2.15 -5.87	48.72 -2.24 -4.39	42.96 -1.68 -4.75	42.86 -1.58 -4.03	52.21 -1.50 -1.95
STA_82__115KV_TB1 80780	35.69 -1.24 -1.57	33.92 -1.24 -1.65	36.39 -1.39 -1.20	36.69 -1.38 -0.90	35.56 -1.21 -1.23	30.23 -0.99 -1.99	33.73 -1.31 -2.21	34.28 -1.65 -2.85	36.30 -1.92 -1.96	36.18 -2.01 -1.71	34.59 -1.69 -4.33	34.41 -1.72 -3.66	36.80 -1.88 -3.23	37.30 -1.89 -3.52	37.33 -1.82 -4.11	41.15 -1.96 -4.68	48.53 -2.37 -5.37	59.07 -3.22 -4.82	48.46 -2.17 -6.33	51.05 -2.53 -5.88	48.40 -2.56 -4.39	42.64 -1.99 -4.75	42.62 -1.82 -4.03	51.91 -1.81 -1.96
STEEL__WIND 323596	34.86 -2.58 -2.08	33.12 -2.58 -2.19	35.39 -2.78 -1.59	35.58 -2.79 -1.20	34.72 -2.45 -1.62	29.92 -1.96 -2.64	32.65 -2.53 -2.35	33.29 -2.81 -3.02	35.15 -3.19 -2.08	34.94 -3.35 -1.82	33.69 -2.84 -4.59	33.39 -2.95 -3.88	35.68 -3.19 -3.42	36.22 -3.17 -3.73	36.38 -3.01 -4.36	40.12 -3.27 -4.95	47.16 -4.05 -5.69	57.58 -5.00 -5.10	47.33 -3.68 -6.71	49.73 -4.20 -6.22	47.12 -4.10 -4.65	41.53 -3.39 -5.03	41.57 -3.11 -4.26	50.90 -3.47 -2.60
STEPHTWN_115KV_BK_2 55603	53.06 0.99 -16.71	51.99 0.90 -17.57	50.31 0.95 -12.79	47.70 0.93 -9.60	49.54 0.96 -13.04	51.26 0.82 -21.21	56.86 0.89 -23.14	63.74 0.86 -29.80	57.82 1.05 -20.51	55.45 1.06 -17.92	78.51 1.25 -45.31	72.01 1.27 -38.27	70.62 1.42 -33.76	73.95 1.43 -36.86	79.44 1.40 -43.00	88.52 1.19 -48.90	103.18 1.46 -56.20	109.74 1.90 -50.37	111.95 1.42 -66.24	110.66 1.53 -61.43	93.95 1.49 -45.89	90.88 1.28 -49.72	84.10 1.58 -42.11	74.76 2.12 -20.87
STEUBEN_REC_LFGE 323667	36.73 -1.49 -2.85	35.14 -1.37 -3.00	37.29 -1.46 -2.18	37.39 -1.41 -1.64	36.56 -1.21 -2.22	31.97 -0.88 -3.62	35.52 -1.05 -3.74	36.87 -1.03 -4.81	38.27 -1.31 -3.31	37.73 -1.64 -2.90	37.73 -1.53 -7.32	37.06 -1.59 -6.18	39.20 -1.70 -5.45	39.97 -1.64 -5.95	40.47 -1.51 -6.94	45.10 -1.23 -7.90	53.37 -1.23 -9.07	64.29 -1.32 -8.13	53.97 -1.02 -10.69	56.34 -1.29 -9.92	52.63 -1.35 -7.41	46.71 -1.20 -8.03	45.96 -1.25 -6.80	53.72 -1.60 -3.56
STILLWATER__SOLAR 323814	54.37 1.84 -17.17	53.31 1.74 -18.06	51.58 1.86 -13.14	48.85 1.82 -9.86	50.79 1.85 -13.40	52.58 1.55 -21.80	58.35 1.74 -23.78	65.46 1.75 -30.63	59.37 2.03 -21.08	56.86 1.97 -18.42	79.91 1.40 -46.56	73.23 1.43 -39.33	71.74 1.60 -34.69	75.11 1.57 -37.88	80.81 1.58 -44.19	90.52 1.84 -50.25	105.55 2.28 -57.75	112.22 2.99 -51.76	114.62 2.26 -68.07	113.22 2.38 -63.13	96.06 2.33 -47.16	92.89 1.91 -51.09	85.62 1.94 -43.27	75.69 2.48 -21.44
STONY__BROOK 24151	53.92 2.79 -15.77	50.98 2.65 -14.83	49.80 2.45 -10.78	48.08 2.82 -8.09	49.23 2.70 -10.99	49.49 2.37 -17.89	55.21 2.79 -19.59	61.04 2.85 -25.12	56.67 3.12 -17.29	54.67 3.10 -15.10	72.17 2.05 -38.17	66.99 2.27 -32.24	66.05 2.16 -28.44	69.03 2.32 -31.05	73.51 2.24 -36.23	82.86 3.23 -41.21	119.23 4.10 -69.61	141.44 5.23 -78.73	128.04 4.12 -79.62	117.07 4.39 -64.98	111.13 4.24 -60.32	100.99 3.43 -57.67	79.13 3.23 -35.48	73.09 3.73 -17.59
STURGEON_POOL_HYD 23609	51.15 1.49 -14.31	49.90 1.34 -15.04	48.87 1.35 -10.95	46.83 1.45 -8.22	48.09 1.39 -11.16	48.61 1.23 -18.16	54.07 1.44 -19.80	60.13 1.55 -25.49	55.69 1.89 -17.55	53.74 1.93 -15.33	72.24 1.53 -38.76	66.74 1.53 -32.74	65.96 1.63 -28.88	68.80 1.60 -31.53	73.36 1.54 -36.79	82.22 1.96 -41.83	95.87 2.28 -48.07	103.67 3.10 -43.09	103.35 2.39 -56.66	102.69 2.43 -52.55	88.16 2.33 -39.26	84.37 1.95 -42.53	78.13 1.70 -36.02	71.49 1.86 -17.86
ST_LAW_115_BK7_LBMP 345037	33.06 -2.30 0.00	31.30 -2.21 0.00	34.53 -2.05 0.00	34.71 -2.45 0.00	33.13 -2.42 0.00	26.80 -2.43 0.00	30.44 -2.40 0.00	31.20 -1.88 0.00	34.41 -1.85 0.00	35.05 -1.42 0.00	30.58 -1.37 0.00	31.11 -1.36 0.00	34.20 -1.24 0.00	34.45 -1.21 0.00	33.71 -1.33 0.00	36.85 -1.58 0.00	44.56 -0.96 0.00	56.44 -1.03 0.00	43.19 -1.11 0.00	46.65 -1.05 0.00	46.11 -0.47 0.00	39.45 -0.44 0.00	40.05 -0.36 0.00	52.18 0.41 0.00

ST_LAW_115_BK8_LBMP 345038	33.06 -2.30 0.00	31.30 -2.21 0.00	34.53 -2.05 0.00	34.71 -2.45 0.00	33.13 -2.42 0.00	26.80 -2.43 0.00	30.44 -2.40 0.00	31.20 -1.88 0.00	34.41 -1.85 0.00	35.05 -1.42 0.00	30.58 -1.37 0.00	31.11 -1.36 0.00	34.20 -1.24 0.00	34.45 -1.21 0.00	33.71 -1.33 0.00	36.85 -1.58 0.00	44.56 -0.96 0.00	56.44 -1.03 0.00	43.19 -1.11 0.00	46.65 -1.05 0.00	46.11 -0.47 0.00	39.45 -0.44 0.00	40.05 -0.36 0.00	52.18 0.41 0.00
ST_LAW_230_BK5_LBMP 345035	33.09 -2.26 0.00	31.33 -2.18 0.00	34.56 -2.01 0.00	34.71 -2.45 0.00	33.16 -2.38 0.00	26.86 -2.37 0.00	30.47 -2.36 0.00	31.23 -1.85 0.00	34.45 -1.81 0.00	35.05 -1.42 0.00	30.58 -1.37 0.00	31.14 -1.33 0.00	34.20 -1.24 0.00	34.45 -1.21 0.00	33.71 -1.33 0.00	36.85 -1.58 0.00	44.56 -0.96 0.00	56.38 -1.09 0.00	43.19 -1.11 0.00	46.65 -1.05 0.00	46.11 -0.47 0.00	39.41 -0.48 0.00	40.05 -0.36 0.00	52.13 0.36 0.00
ST_LAW_230_BK6_LBMP 345036	33.09 -2.26 0.00	31.33 -2.18 0.00	34.56 -2.01 0.00	34.71 -2.45 0.00	33.16 -2.38 0.00	26.86 -2.37 0.00	30.47 -2.36 0.00	31.23 -1.85 0.00	34.45 -1.81 0.00	35.05 -1.42 0.00	30.58 -1.37 0.00	31.14 -1.33 0.00	34.20 -1.24 0.00	34.45 -1.21 0.00	33.71 -1.33 0.00	36.85 -1.58 0.00	44.56 -0.96 0.00	56.38 -1.09 0.00	43.19 -1.11 0.00	46.65 -1.05 0.00	46.11 -0.47 0.00	39.41 -0.48 0.00	40.05 -0.36 0.00	52.13 0.36 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	50.11 1.52 -13.24	48.80 1.37 -13.92	48.13 1.43 -10.13	46.22 1.45 -7.60	47.29 1.42 -10.32	47.29 1.26 -16.80	52.59 1.44 -18.31	58.19 1.52 -23.58	54.34 1.85 -16.23	52.55 1.90 -14.18	69.37 1.57 -35.86	64.28 1.53 -30.29	63.83 1.67 -26.72	66.47 1.64 -29.17	70.61 1.54 -34.03	78.97 1.84 -38.70	92.13 2.14 -44.47	100.21 2.87 -39.86	98.93 2.21 -52.42	98.61 2.29 -48.62	85.08 2.19 -36.32	81.06 1.83 -39.34	75.43 1.70 -33.32	70.31 2.02 -16.53
SWANROAD_115KV_TB1 355699	34.10 -3.18 -1.93	32.39 -3.15 -2.03	34.61 -3.44 -1.48	34.86 -3.42 -1.11	33.95 -3.09 -1.50	29.19 -2.48 -2.45	31.69 -3.28 -2.14	31.97 -3.87 -2.76	33.81 -4.35 -1.90	33.68 -4.45 -1.66	32.34 -3.80 -4.19	32.08 -3.93 -3.54	34.28 -4.29 -3.13	34.76 -4.32 -3.41	34.85 -4.17 -3.98	38.42 -4.53 -4.53	45.21 -5.51 -5.20	54.78 -7.36 -4.66	45.16 -5.27 -6.13	47.43 -5.96 -5.68	44.95 -5.87 -4.25	39.78 -4.71 -4.60	39.99 -4.32 -3.90	49.51 -4.66 -2.41
SYNERGY___BIOGAS 323694	35.52 -1.63 -1.79	33.68 -1.71 -1.88	36.08 -1.86 -1.37	36.34 -1.86 -1.03	35.37 -1.56 -1.39	30.19 -1.31 -2.27	33.27 -1.74 -2.18	33.77 -2.12 -2.81	35.80 -2.39 -1.93	35.61 -2.55 -1.69	34.07 -2.14 -4.26	33.83 -2.24 -3.60	36.25 -2.37 -3.18	36.78 -2.35 -3.47	36.88 -2.21 -4.05	40.57 -2.46 -4.60	47.80 -3.01 -5.29	58.42 -3.80 -4.74	47.92 -3.10 -6.23	50.38 -2.61 -5.78	47.81 -3.08 -4.32	42.09 -2.47 -4.68	42.15 -2.22 -3.96	51.77 -2.22 -2.23
SYRACUSE___ENERGY_ST1 323597	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.26 -1.02	37.67 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.26 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.65 -0.36 -4.49	61.04 -0.46 -4.03	49.24 -0.35 -5.29	52.19 -0.43 -4.91	49.77 -0.47 -3.67	43.38 -0.48 -3.97	43.25 -0.53 -3.37	52.71 -0.72 -1.67
SYRACUSE___ENERGY_ST2 323598	36.48 -0.21 -1.34	34.72 -0.20 -1.40	37.34 -0.26 -1.02	37.67 -0.26 -0.77	36.34 -0.25 -1.04	30.78 -0.15 -1.70	34.52 -0.16 -1.85	35.26 -0.20 -2.38	37.57 -0.33 -1.64	37.50 -0.40 -1.43	35.25 -0.32 -3.62	35.20 -0.32 -3.06	37.79 -0.35 -2.70	38.25 -0.36 -2.95	38.16 -0.32 -3.44	42.03 -0.31 -3.91	49.65 -0.36 -4.49	61.04 -0.46 -4.03	49.24 -0.35 -5.29	52.19 -0.43 -4.91	49.77 -0.47 -3.67	43.38 -0.48 -3.97	43.25 -0.53 -3.37	52.71 -0.72 -1.67
SYRACUSE___POWER 24017	36.51 -0.25 -1.40	34.75 -0.23 -1.47	37.35 -0.29 -1.07	37.71 -0.26 -0.80	36.39 -0.25 -1.09	30.83 -0.18 -1.78	34.58 -0.20 -1.94	35.35 -0.23 -2.50	37.62 -0.36 -1.72	37.57 -0.40 -1.50	35.40 -0.35 -3.80	35.32 -0.36 -3.21	37.89 -0.39 -2.83	38.36 -0.39 -3.09	38.29 -0.35 -3.60	42.18 -0.35 -4.10	49.82 -0.41 -4.71	61.24 -0.46 -4.22	49.50 -0.35 -5.55	52.42 -0.43 -5.15	49.91 -0.51 -3.85	43.57 -0.48 -4.17	43.38 -0.57 -3.53	52.79 -0.72 -1.75
TALLMAN___138KV_BK151 55660	50.56 1.59 -13.61	49.26 1.44 -14.31	48.45 1.46 -10.41	46.51 1.52 -7.82	47.65 1.49 -10.61	47.82 1.32 -17.27	53.21 1.54 -18.83	58.92 1.59 -24.25	54.91 1.96 -16.69	53.10 2.04 -14.59	70.51 1.69 -36.87	65.24 1.62 -31.15	64.69 1.77 -27.47	67.37 1.71 -29.99	71.64 1.61 -35.00	80.10 1.88 -39.79	93.35 2.09 -45.73	101.34 2.87 -40.99	100.41 2.21 -53.90	99.99 2.29 -49.99	86.06 2.14 -37.34	82.17 1.83 -40.46	76.37 1.70 -34.27	70.78 2.02 -16.99
TEALLAVE_115KV_TB7 355573	36.14 -0.39 -1.17	34.37 -0.37 -1.23	37.03 -0.44 -0.89	37.43 -0.41 -0.67	36.06 -0.39 -0.91	30.42 -0.29 -1.48	34.12 -0.33 -1.62	34.77 -0.40 -2.08	37.15 -0.54 -1.43	37.14 -0.58 -1.25	34.60 -0.51 -3.17	34.62 -0.52 -2.67	37.24 -0.57 -2.36	37.67 -0.57 -2.58	37.52 -0.53 -3.00	41.31 -0.54 -3.42	48.77 -0.68 -3.93	60.13 -0.86 -3.52	48.26 -0.66 -4.63	51.23 -0.76 -4.29	48.99 -0.79 -3.21	42.64 -0.72 -3.47	42.59 -0.77 -2.94	52.24 -0.98 -1.46
TELGRAPH_34_KV_EAST 80808	34.97 -2.23 -1.84	33.20 -2.25 -1.94	35.53 -2.45 -1.41	35.81 -2.42 -1.06	34.85 -2.13 -1.44	29.84 -1.72 -2.34	32.71 -2.30 -2.17	33.10 -2.78 -2.80	35.03 -3.15 -1.93	34.87 -3.28 -1.68	33.42 -2.78 -4.25	33.17 -2.89 -3.59	35.49 -3.12 -3.17	35.98 -3.14 -3.46	36.06 -3.01 -4.03	39.79 -3.23 -4.58	46.92 -3.87 -5.27	56.97 -5.23 -4.72	46.92 -3.59 -6.21	49.31 -4.15 -5.76	46.73 -4.14 -4.30	41.27 -3.27 -4.66	41.33 -3.03 -3.95	50.91 -3.16 -2.30
TEMPLE___115KV_TB 2 55572	36.15 -0.39 -1.18	34.39 -0.37 -1.25	37.08 -0.40 -0.91	37.44 -0.41 -0.68	36.08 -0.39 -0.92	30.47 -0.26 -1.50	34.14 -0.33 -1.64	34.83 -0.36 -2.11	37.20 -0.51 -1.45	37.16 -0.58 -1.27	34.68 -0.48 -3.21	34.69 -0.49 -2.71	37.31 -0.53 -2.39	37.74 -0.53 -2.61	37.59 -0.49 -3.05	41.36 -0.54 -3.46	48.87 -0.64 -3.98	60.24 -0.80 -3.57	48.37 -0.62 -4.69	51.34 -0.72 -4.35	49.08 -0.75 -3.25	42.69 -0.72 -3.52	42.67 -0.73 -2.98	52.31 -0.93 -1.48
TIANA____69_KV_BK 1 55817	53.95 2.83 -15.76	51.15 2.81 -14.83	49.77 2.41 -10.78	48.12 2.86 -8.09	49.41 2.88 -10.99	49.64 2.51 -17.89	55.44 3.02 -19.59	61.21 3.01 -25.12	56.67 3.12 -17.29	54.64 3.06 -15.10	71.94 1.82 -38.17	66.83 2.11 -32.24	65.87 1.98 -28.44	68.85 2.14 -31.05	73.33 2.07 -36.23	82.79 3.15 -41.21	119.00 3.96 -69.51	141.10 5.06 -78.56	127.67 3.85 -79.52	116.92 4.29 -64.92	110.94 4.14 -60.23	100.92 3.43 -57.60	79.05 3.15 -35.48	73.19 3.83 -17.59
TILDEN___115KV_TB1 80814	36.51 -0.25 -1.40	34.75 -0.23 -1.47	37.35 -0.29 -1.07	37.71 -0.26 -0.80	36.39 -0.25 -1.09	30.83 -0.18 -1.78	34.58 -0.20 -1.94	35.35 -0.23 -2.50	37.62 -0.36 -1.72	37.57 -0.40 -1.50	35.40 -0.35 -3.80	35.32 -0.36 -3.21	37.89 -0.39 -2.83	38.36 -0.39 -3.09	38.29 -0.35 -3.60	42.18 -0.35 -4.10	49.82 -0.41 -4.71	61.24 -0.46 -4.22	49.50 -0.35 -5.55	52.42 -0.43 -5.15	49.91 -0.51 -3.85	43.57 -0.48 -4.17	43.38 -0.57 -3.53	52.79 -0.72 -1.75

TRIGEN___CC 323695	54.52 2.12 -17.04	50.32 1.98 -14.83	49.33 1.98 -10.78	47.38 2.12 -8.09	48.63 2.10 -10.99	48.97 1.84 -17.90	54.55 2.07 -19.65	60.35 2.15 -25.12	56.13 2.57 -17.30	54.20 2.63 -15.10	71.94 1.82 -38.17	66.73 2.01 -32.24	65.91 2.02 -28.44	68.75 2.03 -31.05	73.16 1.89 -36.23	82.22 2.57 -41.21	134.96 2.91 -86.53	169.01 3.79 -107.74	144.94 2.92 -97.72	125.79 3.05 -75.03	126.28 2.93 -76.78	111.98 2.43 -69.67	78.29 2.38 -35.49	72.20 2.85 -17.59
TRINITY___115KV___4 BK 55933	52.71 0.60 -16.75	51.69 0.57 -17.61	49.97 0.59 -12.81	47.38 0.59 -9.62	49.21 0.60 -13.06	50.98 0.50 -21.25	56.55 0.53 -23.19	63.44 0.50 -29.86	57.47 0.65 -20.56	55.09 0.66 -17.96	78.28 0.93 -45.40	71.80 0.97 -38.35	70.34 1.06 -33.83	73.66 1.07 -36.93	79.18 1.05 -43.09	88.20 0.77 -49.00	102.74 0.91 -56.31	109.10 1.15 -50.47	111.56 0.89 -66.37	110.22 0.95 -61.56	93.49 0.93 -45.98	90.50 0.80 -49.82	83.74 1.13 -42.19	74.28 1.60 -20.91
UNION___PROCESSING_DRP 323587	35.73 -1.20 -1.57	33.93 -1.24 -1.65	36.39 -1.39 -1.20	36.70 -1.38 -0.90	35.56 -1.21 -1.23	30.23 -0.99 -2.00	33.76 -1.28 -2.21	34.27 -1.65 -2.85	36.30 -1.92 -1.96	36.18 -2.01 -1.71	34.58 -1.69 -4.33	34.41 -1.72 -3.66	36.83 -1.84 -3.23	37.29 -1.89 -3.52	37.32 -1.82 -4.11	41.18 -1.92 -4.67	48.57 -2.32 -5.37	59.07 -3.22 -4.81	48.46 -2.17 -6.33	51.04 -2.53 -5.87	48.39 -2.56 -4.38	42.64 -1.99 -4.75	42.62 -1.82 -4.02	51.92 -1.81 -1.96
UPPER HUDSON___HYD 24058	54.98 2.37 -17.25	53.90 2.25 -18.14	52.15 2.38 -13.20	49.42 2.34 -9.91	51.38 2.38 -13.46	53.12 1.99 -21.90	58.99 2.26 -23.89	66.13 2.28 -30.77	60.12 2.68 -21.18	57.53 2.55 -18.50	80.07 1.34 -46.78	73.25 1.27 -39.51	71.75 1.45 -34.86	75.10 1.39 -38.05	80.77 1.33 -44.40	90.60 1.69 -50.48	105.68 2.14 -58.02	112.35 2.87 -52.00	114.85 2.17 -68.38	113.42 2.29 -63.42	96.14 2.19 -47.38	92.92 1.71 -51.33	85.62 1.74 -43.47	75.53 2.22 -21.54
UPPER RAQUET___HYD 24056	33.71 -1.94 -0.29	31.94 -1.88 -0.31	35.12 -1.68 -0.22	35.22 -2.12 -0.17	33.67 -2.10 -0.23	27.47 -2.13 -0.37	31.20 -2.04 -0.40	32.18 -1.42 -0.52	35.31 -1.30 -0.36	35.84 -0.95 -0.31	31.75 -0.99 -0.79	32.17 -0.97 -0.67	35.22 -0.81 -0.59	35.56 -0.75 -0.64	34.95 -0.84 -0.75	38.25 -1.04 -0.86	46.32 -0.18 -0.98	58.30 -0.06 -0.88	45.10 -0.36 -1.16	48.64 -0.14 -1.07	47.79 0.42 -0.80	40.99 0.24 -0.87	41.35 0.20 -0.74	53.11 0.98 -0.37
VALLEY44_115KV_TB2 355964	34.16 -3.50 -2.31	32.52 -3.42 -2.43	34.65 -3.69 -1.77	34.78 -3.72 -1.33	33.97 -3.38 -1.80	29.41 -2.75 -2.93	32.40 -3.15 -2.72	33.84 -2.75 -3.50	35.63 -3.05 -2.41	35.33 -3.25 -2.11	34.46 -2.81 -5.32	34.11 -2.86 -4.50	36.26 -3.15 -3.97	36.85 -3.14 -4.33	37.11 -2.98 -5.05	41.14 -3.04 -5.74	48.75 -3.37 -6.60	59.43 -3.97 -5.92	49.02 -3.06 -7.78	51.53 -3.39 -7.22	48.61 -3.35 -5.39	42.65 -3.07 -5.84	41.96 -3.39 -4.95	49.88 -4.76 -2.88
VALLEY___115KV_TB 1-4 80826	35.71 0.35 0.00	33.85 0.34 0.00	36.98 0.40 0.00	37.61 0.45 0.00	36.01 0.46 0.00	29.61 0.38 0.00	33.26 0.43 0.00	33.61 0.53 0.00	36.91 0.65 0.00	37.16 0.69 0.00	32.59 0.64 0.00	33.15 0.68 0.00	36.15 0.71 0.00	36.37 0.71 0.00	35.70 0.67 0.00	39.16 0.73 0.00	46.39 0.86 0.00	58.57 1.09 0.00	45.05 0.75 0.00	48.51 0.81 0.00	47.32 0.75 0.00	40.60 0.72 0.00	41.14 0.73 0.00	52.70 0.93 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	43.17 2.05 -5.76	41.51 1.94 -6.05	43.06 2.08 -4.41	42.67 2.19 -3.31	42.02 1.99 -4.49	38.09 1.55 -7.31	42.60 1.84 -7.93	45.51 2.22 -10.21	45.86 2.57 -7.03	45.09 2.48 -6.14	49.48 2.01 -15.52	47.63 2.05 -13.11	49.21 2.20 -11.57	50.50 2.21 -12.63	51.94 2.17 -14.73	57.68 2.50 -16.75	67.82 3.05 -19.25	78.64 3.91 -17.26	69.91 2.92 -22.69	72.09 3.34 -21.05	65.51 3.21 -15.72	59.59 2.67 -17.03	57.30 2.47 -14.42	61.75 2.80 -7.19
VISCHER___FERRY HYD 24020	53.64 1.34 -16.94	52.56 1.24 -17.81	50.89 1.35 -12.96	48.23 1.34 -9.73	50.10 1.35 -13.21	51.87 1.14 -21.50	57.53 1.25 -23.45	64.54 1.26 -30.20	58.54 1.49 -20.79	56.10 1.46 -18.17	79.08 1.21 -45.92	72.53 1.27 -38.79	71.08 1.42 -34.22	74.48 1.46 -37.36	80.06 1.44 -43.58	89.53 1.54 -49.56	104.34 1.87 -56.96	110.94 2.41 -51.05	113.25 1.82 -67.13	111.88 1.91 -62.26	94.99 1.91 -46.51	91.87 1.60 -50.39	84.74 1.66 -42.68	75.09 2.17 -21.15
V_A_10_SYNC_DSASP 323832	34.96 -2.12 -1.73	33.22 -2.11 -1.81	35.63 -2.27 -1.32	35.85 -2.30 -0.99	34.86 -2.02 -1.35	29.76 -1.66 -2.19	33.26 -2.23 -2.66	33.67 -2.85 -3.43	35.36 -3.26 -2.36	35.22 -3.32 -2.06	34.39 -2.78 -5.22	33.99 -2.89 -4.41	36.25 -3.08 -3.89	36.84 -3.07 -4.25	37.05 -2.94 -4.95	40.72 -3.34 -5.63	47.63 -4.37 -6.48	57.71 -5.57 -5.80	47.90 -4.03 -7.63	50.16 -4.63 -7.08	47.34 -4.52 -5.29	42.02 -3.59 -5.73	42.11 -3.15 -4.85	50.81 -3.10 -2.15
V_CMM_10_SYNC_DSASP 323787	33.24 -2.12 0.00	31.47 -2.05 0.00	34.75 -1.83 0.00	34.86 -2.30 0.00	33.27 -2.28 0.00	26.95 -2.28 0.00	30.60 -2.23 0.00	31.36 -1.72 0.00	34.63 -1.63 0.00	35.23 -1.24 0.00	30.74 -1.21 0.00	31.27 -1.20 0.00	34.38 -1.06 0.00	34.66 -1.00 0.00	33.91 -1.12 0.00	37.05 -1.38 0.00	44.84 -0.68 0.00	56.79 -0.69 0.00	43.46 -0.84 0.00	46.94 -0.77 0.00	46.39 -0.19 0.00	39.68 -0.20 0.00	40.29 -0.12 0.00	52.49 0.72 0.00
V_CMP_10_SYNC_DSASP 323788	33.38 -1.98 0.00	31.64 -1.88 0.00	34.97 -1.61 0.00	35.05 -2.12 0.00	33.48 -2.06 0.00	27.13 -2.10 0.00	30.86 -1.97 0.00	31.66 -1.42 0.00	34.95 -1.30 0.00	35.60 -0.88 0.00	31.02 -0.93 0.00	31.59 -0.88 0.00	34.77 -0.67 0.00	35.06 -0.61 0.00	34.37 -0.67 0.00	37.66 -0.77 0.00	45.75 0.23 0.00	57.93 0.46 0.00	44.25 -0.04 0.00	47.80 0.10 0.00	47.31 0.74 0.00	40.44 0.56 0.00	41.06 0.64 0.00	53.58 1.81 0.00
V_D_10_SYNC_DSASP 323841	33.59 -1.98 -0.22	31.83 -1.91 -0.23	35.06 -1.68 -0.17	35.14 -2.16 -0.12	33.58 -2.13 -0.17	27.34 -2.16 -0.27	31.03 -2.10 -0.30	31.91 -1.55 -0.39	35.07 -1.45 -0.27	35.64 -1.06 -0.23	31.45 -1.09 -0.59	31.92 -1.04 -0.50	34.96 -0.92 -0.44	35.28 -0.86 -0.48	34.65 -0.94 -0.56	37.91 -1.15 -0.63	45.84 -0.41 -0.73	57.73 -0.40 -0.65	44.58 -0.58 -0.86	48.02 -0.48 -0.79	47.31 0.14 -0.59	40.57 0.04 -0.64	41.04 0.08 -0.54	53.02 0.98 -0.27
V_E_10_SYNC_DSASP 323830	42.17 2.69 -4.13	40.40 2.55 -4.34	42.37 2.63 -3.16	42.33 2.79 -2.37	41.25 2.49 -3.22	36.49 2.02 -5.24	40.95 2.46 -5.65	43.50 3.14 -7.27	44.67 3.41 -5.01	43.94 3.10 -4.38	45.47 2.46 -11.06	44.35 2.53 -9.34	46.45 2.77 -8.24	47.44 2.78 -9.00	48.41 2.87 -10.50	53.82 3.46 -11.93	63.88 4.65 -13.72	75.92 6.15 -12.29	65.03 4.56 -16.17	67.61 4.91 -14.99	62.43 4.66 -11.20	55.73 3.71 -12.13	54.00 3.31 -10.28	60.70 3.78 -5.15
V_F_30_NSYNC___DSASP 323816	54.44 1.87 -17.21	53.38 1.77 -18.10	51.64 1.90 -13.17	48.91 1.86 -9.88	50.85 1.88 -13.42	52.65 1.58 -21.84	58.44 1.77 -23.83	65.55 1.79 -30.69	59.45 2.07 -21.12	56.93 2.00 -18.46	80.05 1.44 -46.66	73.31 1.43 -39.41	71.84 1.63 -34.77	75.22 1.61 -37.96	80.90 1.58 -44.28	90.67 1.88 -50.35	105.71 2.32 -57.87	112.39 3.04 -51.87	114.81 2.30 -68.21	113.40 2.43 -63.26	96.20 2.37 -47.26	93.03 1.95 -51.20	85.75 1.98 -43.36	75.74 2.48 -21.49

V_F_30_SYNC_DSASP 323786	52.90 0.67 -16.87	51.89 0.64 -17.74	50.14 0.66 -12.91	47.52 0.67 -9.69	49.37 0.68 -13.16	51.19 0.56 -21.41	56.78 0.59 -23.36	63.72 0.56 -30.08	57.69 0.73 -20.70	55.33 0.77 -18.09	78.70 1.02 -45.73	72.14 1.04 -38.63	70.69 1.17 -34.07	74.04 1.18 -37.20	79.60 1.16 -43.40	88.67 0.88 -49.35	103.29 1.05 -56.72	109.64 1.32 -50.84	112.17 1.02 -66.85	110.76 1.05 -62.00	93.96 1.07 -46.32	90.98 0.92 -50.18	84.16 1.25 -42.50	74.53 1.71 -21.06
V_XM_10_SYNC_DSASP 323789	33.38 -1.98 0.00	31.64 -1.88 0.00	34.97 -1.61 0.00	35.05 -2.12 0.00	33.48 -2.06 0.00	27.13 -2.10 0.00	30.86 -1.97 0.00	31.66 -1.42 0.00	34.95 -1.30 0.00	35.60 -0.88 0.00	31.02 -0.93 0.00	31.59 -0.88 0.00	34.77 -0.67 0.00	35.06 -0.61 0.00	34.37 -0.67 0.00	37.66 -0.77 0.00	45.75 0.23 0.00	57.93 0.46 0.00	44.25 -0.04 0.00	47.80 0.10 0.00	47.31 0.74 0.00	40.44 0.56 0.00	41.06 0.64 0.00	53.58 1.81 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	50.77 1.73 -13.68	49.44 1.54 -14.39	48.61 1.57 -10.47	46.66 1.64 -7.86	47.81 1.60 -10.67	48.00 1.40 -17.36	53.40 1.64 -18.93	59.15 1.69 -24.38	55.14 2.10 -16.78	53.28 2.15 -14.66	70.80 1.79 -37.06	65.50 1.72 -31.31	64.91 1.84 -27.62	67.63 1.82 -30.15	71.93 1.72 -35.18	80.43 2.00 -40.00	93.72 2.23 -45.97	101.67 2.99 -41.20	100.83 2.35 -54.18	100.34 2.39 -50.25	86.39 2.28 -37.54	82.51 1.95 -40.67	76.63 1.78 -34.44	71.02 2.17 -17.08
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	51.39 1.94 -14.08	50.07 1.74 -14.81	49.14 1.79 -10.78	47.12 1.86 -8.09	48.31 1.78 -10.99	48.69 1.58 -17.88	54.23 1.90 -19.49	60.10 1.92 -25.10	55.93 2.39 -17.28	54.05 2.48 -15.10	72.22 2.11 -38.16	66.82 2.11 -32.24	66.18 2.30 -28.43	68.95 2.25 -31.04	73.29 2.03 -36.22	82.03 2.42 -41.18	95.58 2.73 -47.33	103.58 3.68 -42.42	102.92 2.84 -55.79	102.35 2.91 -51.74	87.97 2.75 -38.65	84.07 2.31 -41.87	78.06 2.18 -35.46	71.99 2.64 -17.59
W50THST__13_KV_LOAD 356117	51.53 2.09 -14.08	50.20 1.88 -14.81	49.25 1.90 -10.78	47.23 1.97 -8.09	48.45 1.92 -10.99	48.80 1.70 -17.88	54.36 2.04 -19.49	60.23 2.05 -25.10	56.07 2.54 -17.28	54.19 2.63 -15.10	72.35 2.24 -38.16	66.95 2.24 -32.24	66.36 2.48 -28.43	69.13 2.42 -31.04	73.46 2.21 -36.22	82.23 2.61 -41.18	95.77 2.91 -47.33	103.81 3.91 -42.42	103.14 3.06 -55.79	102.59 3.15 -51.74	88.15 2.93 -38.65	84.23 2.47 -41.87	78.22 2.34 -35.46	72.20 2.85 -17.59
WADING RIVER_IC_1 23522	53.77 2.65 -15.76	51.05 2.71 -14.83	49.59 2.23 -10.78	48.16 2.90 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.45 2.88 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.69 1.81 -28.44	68.67 1.96 -31.05	73.19 1.93 -36.23	82.59 2.96 -41.21	118.94 3.92 -69.51	140.74 4.71 -78.55	127.53 3.72 -79.51	116.82 4.20 -64.92	110.84 4.05 -60.22	100.79 3.31 -57.60	78.93 3.03 -35.48	72.88 3.52 -17.59
WADING RIVER_IC_2 23547	53.77 2.65 -15.76	51.05 2.71 -14.83	49.59 2.23 -10.78	48.16 2.90 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.45 2.88 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.69 1.81 -28.44	68.67 1.96 -31.05	73.19 1.93 -36.23	82.59 2.96 -41.21	118.94 3.92 -69.51	140.74 4.71 -78.55	127.53 3.72 -79.51	116.82 4.20 -64.92	110.84 4.05 -60.22	100.79 3.31 -57.60	78.93 3.03 -35.48	72.88 3.52 -17.59
WADING RIVER_IC_3 23601	53.77 2.65 -15.76	51.05 2.71 -14.83	49.59 2.23 -10.78	48.16 2.90 -8.09	49.31 2.77 -10.99	49.55 2.42 -17.89	55.31 2.89 -19.59	61.14 2.94 -25.12	56.48 2.94 -17.29	54.45 2.88 -15.10	71.84 1.72 -38.17	66.70 1.98 -32.24	65.69 1.81 -28.44	68.67 1.96 -31.05	73.19 1.93 -36.23	82.59 2.96 -41.21	118.94 3.92 -69.51	140.74 4.71 -78.55	127.53 3.72 -79.51	116.82 4.20 -64.92	110.84 4.05 -60.22	100.79 3.31 -57.60	78.93 3.03 -35.48	72.88 3.52 -17.59
WALDENNY_12_KV_BK2 80841	34.91 -2.51 -2.07	33.17 -2.51 -2.17	35.41 -2.74 -1.58	35.64 -2.71 -1.19	34.77 -2.38 -1.61	29.92 -1.93 -2.62	32.63 -2.53 -2.32	33.26 -2.81 -2.99	35.13 -3.19 -2.06	34.92 -3.36 -1.80	33.65 -2.84 -4.54	33.35 -2.95 -3.84	35.60 -3.23 -3.39	36.15 -3.21 -3.70	36.30 -3.05 -4.31	40.10 -3.23 -4.90	47.28 -3.87 -5.63	57.47 -5.06 -5.05	47.35 -3.59 -6.64	49.76 -4.10 -6.16	47.12 -4.05 -4.60	41.59 -3.27 -4.98	41.56 -3.07 -4.22	50.93 -3.42 -2.58
WALDEN__HYDRO 24148	50.88 1.77 -13.75	49.55 1.58 -14.46	48.74 1.65 -10.52	46.78 1.71 -7.90	47.94 1.67 -10.73	48.12 1.43 -17.46	53.54 1.67 -19.03	59.34 1.75 -24.51	55.23 2.10 -16.87	53.33 2.12 -14.74	70.97 1.76 -37.26	65.67 1.72 -31.48	65.09 1.88 -27.76	67.83 1.85 -30.31	72.19 1.79 -35.37	80.83 2.19 -40.21	94.29 2.55 -46.22	102.35 3.45 -41.42	101.43 2.66 -54.47	100.95 2.72 -50.52	86.92 2.61 -37.74	82.96 2.19 -40.89	77.06 2.02 -34.63	71.32 2.38 -17.17
WARRENSBURG____ 23737	54.98 2.37 -17.25	53.90 2.25 -18.14	52.15 2.38 -13.20	49.42 2.34 -9.91	51.38 2.38 -13.46	53.12 1.99 -21.90	58.99 2.26 -23.89	66.13 2.28 -30.77	60.12 2.68 -21.18	57.53 2.55 -18.50	80.07 1.34 -46.78	73.25 1.27 -39.51	71.75 1.45 -34.86	75.10 1.39 -38.05	80.77 1.33 -44.40	90.60 1.69 -50.48	105.68 2.14 -58.02	112.35 2.87 -52.00	114.85 2.17 -68.38	113.42 2.29 -63.42	96.14 2.19 -47.38	92.92 1.71 -51.33	85.62 1.74 -43.47	75.53 2.22 -21.54
WATERSIDE____6 8 9 23538	51.32 1.87 -14.09	50.00 1.68 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.20 1.67 -10.99	48.57 1.46 -17.88	54.03 1.71 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.16 2.04 -38.17	66.79 2.08 -32.24	66.19 2.30 -28.44	68.88 2.18 -31.05	73.22 1.96 -36.22	81.92 2.31 -41.19	95.45 2.59 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.79 2.56 -38.66	84.03 2.27 -41.88	78.10 2.22 -35.47	71.99 2.64 -17.59
WATKINRD_115KV_LN8_ILLION 55919	35.71 0.35 0.00	33.85 0.34 0.00	36.94 0.37 0.00	37.58 0.41 0.00	35.93 0.39 0.00	29.52 0.29 0.00	33.16 0.33 0.00	33.51 0.43 0.00	36.77 0.51 0.00	37.02 0.55 0.00	32.43 0.48 0.00	32.99 0.52 0.00	36.01 0.57 0.00	36.20 0.53 0.00	35.56 0.53 0.00	39.01 0.58 0.00	46.25 0.73 0.00	58.40 0.92 0.00	44.96 0.66 0.00	48.42 0.72 0.00	47.27 0.70 0.00	40.52 0.64 0.00	41.06 0.65 0.00	52.59 0.83 0.00
WATSON__69_KV_BK 1 55734	54.11 2.93 -15.82	51.09 2.75 -14.83	49.95 2.60 -10.78	48.08 2.82 -8.09	49.34 2.81 -10.99	49.58 2.46 -17.89	55.34 2.92 -19.59	61.11 2.91 -25.12	56.81 3.26 -17.29	54.82 3.25 -15.10	72.29 2.17 -38.17	67.15 2.44 -32.24	66.30 2.41 -28.44	69.25 2.53 -31.05	73.68 2.42 -36.23	83.06 3.42 -41.21	119.99 4.23 -70.24	142.73 5.52 -79.74	128.80 4.21 -80.30	117.50 4.44 -65.35	111.83 4.33 -60.93	101.51 3.51 -58.12	79.21 3.31 -35.48	73.24 3.88 -17.59
WDELAWARE__HYD 323627	49.72 1.94 -12.42	48.35 1.77 -13.06	47.90 1.83 -9.50	46.19 1.89 -7.13	47.08 1.85 -9.69	46.57 1.58 -15.76	51.88 1.87 -17.18	57.19 1.98 -22.13	53.77 2.29 -15.23	52.00 2.23 -13.31	67.34 1.76 -33.64	62.64 1.75 -28.42	62.35 1.84 -25.07	64.81 1.78 -27.37	68.78 1.82 -31.93	77.08 2.34 -36.30	90.25 3.00 -41.72	98.89 4.02 -37.40	96.62 3.15 -49.18	96.56 3.25 -45.61	83.76 3.12 -34.07	79.38 2.59 -36.91	74.02 2.34 -31.26	69.81 2.54 -15.51

WEST BABYLON___IC 23714	54.08 2.79 -15.93	50.95 2.61 -14.83	49.84 2.49 -10.78	47.94 2.68 -8.09	49.20 2.67 -10.99	49.46 2.34 -17.89	55.15 2.73 -19.60	60.95 2.75 -25.12	56.70 3.15 -17.29	54.71 3.14 -15.10	72.26 2.14 -38.17	67.08 2.37 -32.24	66.23 2.34 -28.44	69.17 2.46 -31.05	73.61 2.35 -36.23	82.90 3.27 -41.21	121.29 3.96 -71.81	144.99 5.17 -82.34	130.26 3.99 -81.97	118.14 4.15 -66.29	113.04 4.01 -62.46	102.42 3.31 -59.23	79.05 3.15 -35.49	73.03 3.68 -17.59
WEST CANADA___HYD 24049	35.39 0.04 0.00	33.55 0.03 0.00	36.61 0.04 0.00	37.20 0.04 0.00	35.58 0.04 0.00	29.23 0.00 0.00	32.83 0.00 0.00	33.11 0.03 0.00	36.33 0.07 0.00	36.54 0.07 0.00	32.01 0.06 0.00	32.53 0.07 0.00	35.55 0.11 0.00	35.77 0.11 0.00	35.14 0.11 0.00	38.51 0.08 0.00	45.66 0.14 0.00	57.65 0.17 0.00	44.39 0.09 0.00	47.85 0.14 0.00	46.71 0.14 0.00	40.04 0.16 0.00	40.57 0.16 0.00	51.97 0.21 0.00
WESTERN_NY_WIND 24143	35.47 -1.70 -1.81	33.64 -1.78 -1.90	36.02 -1.94 -1.38	36.31 -1.90 -1.04	35.32 -1.63 -1.41	30.18 -1.34 -2.30	33.20 -1.81 -2.18	33.70 -2.18 -2.80	35.69 -2.50 -1.93	35.53 -2.63 -1.69	33.97 -2.24 -4.26	33.76 -2.31 -3.60	36.10 -2.52 -3.17	36.59 -2.53 -3.46	36.66 -2.42 -4.04	40.49 -2.54 -4.59	47.89 -2.91 -5.28	58.19 -4.02 -4.73	47.86 -2.66 -6.22	50.37 -3.10 -5.77	47.72 -3.17 -4.31	42.08 -2.47 -4.67	42.07 -2.30 -3.96	51.69 -2.33 -2.26
WESTOVER___LESR 323668	39.67 0.00 -4.31	38.04 0.00 -4.53	39.87 0.00 -3.30	39.68 0.04 -2.48	38.94 0.04 -3.36	34.76 0.06 -5.47	38.77 0.07 -5.87	40.74 0.10 -7.56	41.54 0.07 -5.21	41.02 0.00 -4.55	43.42 -0.03 -11.50	42.15 -0.03 -9.71	43.98 -0.04 -8.57	45.02 0.00 -9.35	45.95 0.00 -10.91	50.99 0.15 -12.41	60.01 0.23 -14.26	70.60 0.34 -12.78	61.37 0.27 -16.81	63.53 0.24 -15.59	58.40 0.19 -11.65	52.58 0.08 -12.62	51.10 0.00 -10.69	57.10 -0.05 -5.38
WETHRSFD_WT_PWR 323626	35.20 -2.55 -2.39	33.54 -2.48 -2.51	35.77 -2.63 -1.83	35.90 -2.64 -1.37	35.13 -2.28 -1.86	30.42 -1.84 -3.03	33.45 -2.27 -2.88	34.30 -2.48 -3.70	35.94 -2.87 -2.55	35.56 -3.14 -2.23	34.86 -2.72 -5.63	34.40 -2.83 -4.76	36.56 -3.08 -4.20	37.21 -3.03 -4.58	37.51 -2.87 -5.34	41.51 -3.00 -6.08	48.95 -3.55 -6.98	59.31 -4.42 -6.26	49.25 -3.28 -8.23	51.66 -3.67 -7.63	48.73 -3.54 -5.70	43.11 -2.95 -6.18	42.94 -2.71 -5.23	51.69 -3.05 -2.98
WHAVSTOR_138KV_BK127 55557	50.64 1.59 -13.69	49.35 1.44 -14.40	48.52 1.46 -10.48	46.56 1.52 -7.87	47.72 1.49 -10.68	47.93 1.32 -17.38	53.33 1.54 -18.95	59.07 1.59 -24.40	55.01 1.96 -16.80	53.19 2.04 -14.68	70.71 1.66 -37.10	65.40 1.59 -31.34	64.83 1.74 -27.65	67.52 1.68 -30.18	71.83 1.58 -35.21	80.32 1.84 -40.04	93.59 2.05 -46.02	101.48 2.76 -41.25	100.66 2.13 -54.24	100.20 2.19 -50.31	86.20 2.05 -37.58	82.35 1.75 -40.71	76.51 1.62 -34.48	70.83 1.97 -17.10
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	50.64 1.59 -13.69	49.35 1.44 -14.40	48.52 1.46 -10.48	46.56 1.52 -7.87	47.72 1.49 -10.68	47.93 1.32 -17.38	53.33 1.54 -18.95	59.07 1.59 -24.40	55.01 1.96 -16.80	53.19 2.04 -14.68	70.71 1.66 -37.10	65.40 1.59 -31.34	64.83 1.74 -27.65	67.52 1.68 -30.18	71.83 1.58 -35.21	80.32 1.84 -40.04	93.59 2.05 -46.02	101.48 2.76 -41.25	100.66 2.13 -54.24	100.20 2.19 -50.31	86.20 2.05 -37.58	82.35 1.75 -40.71	76.51 1.62 -34.48	70.83 1.97 -17.10
WHITEHAL_115KV_TB1 80871	55.71 3.11 -17.24	54.55 2.92 -18.12	52.83 3.07 -13.19	50.11 3.05 -9.90	52.08 3.09 -13.44	53.74 2.63 -21.88	59.69 2.99 -23.87	66.83 3.01 -30.74	60.93 3.52 -21.16	58.31 3.36 -18.48	80.79 2.11 -46.73	73.99 2.05 -39.47	72.57 2.30 -34.82	75.85 2.18 -38.01	81.52 2.14 -44.35	91.55 2.69 -50.43	106.94 3.46 -57.96	114.02 4.60 -51.95	116.11 3.50 -68.31	114.73 3.67 -63.36	97.39 3.49 -47.33	93.95 2.79 -51.27	86.63 2.79 -43.43	76.75 3.47 -21.52
WHITEPLN_13_KV_LOAD 356215	51.51 2.09 -14.06	50.18 1.88 -14.79	49.27 1.94 -10.76	47.25 2.01 -8.08	48.47 1.95 -10.97	48.77 1.70 -17.85	54.33 2.04 -19.46	60.19 2.05 -25.06	56.01 2.50 -17.25	54.06 2.52 -15.07	72.16 2.11 -38.10	66.80 2.14 -32.18	66.14 2.30 -28.39	68.90 2.25 -30.99	73.33 2.14 -36.16	82.08 2.54 -41.12	95.73 2.96 -47.25	103.80 3.97 -42.35	103.09 3.10 -55.69	102.56 3.20 -51.66	88.14 2.98 -38.59	84.20 2.51 -41.80	78.16 2.34 -35.41	72.12 2.80 -17.56
WM_FLOYD_69_KV_BK2 356380	53.81 2.69 -15.76	50.99 2.65 -14.83	49.66 2.30 -10.78	47.97 2.71 -8.09	49.23 2.70 -10.99	49.49 2.37 -17.89	55.24 2.82 -19.59	61.01 2.81 -25.12	56.56 3.01 -17.29	54.53 2.95 -15.10	71.91 1.79 -38.17	66.76 2.05 -32.24	65.84 1.95 -28.44	68.82 2.10 -31.05	73.30 2.03 -36.23	82.71 3.07 -41.21	118.94 3.87 -69.55	141.04 4.94 -78.63	127.62 3.77 -79.56	116.75 4.10 -64.95	110.84 4.01 -60.26	100.78 3.27 -57.63	78.89 2.99 -35.48	72.88 3.52 -17.59
WOODARD__115KV_TB2 355635	36.09 -0.46 -1.19	34.33 -0.44 -1.25	37.01 -0.48 -0.91	37.37 -0.48 -0.68	36.01 -0.46 -0.93	30.42 -0.32 -1.51	34.09 -0.39 -1.65	34.74 -0.46 -2.12	37.10 -0.62 -1.46	37.09 -0.66 -1.28	34.63 -0.54 -3.22	34.64 -0.55 -2.72	37.24 -0.60 -2.40	37.68 -0.61 -2.62	37.50 -0.60 -3.06	41.29 -0.61 -3.48	48.75 -0.77 -4.00	60.14 -0.92 -3.58	48.30 -0.71 -4.71	51.26 -0.81 -4.37	49.00 -0.84 -3.27	42.62 -0.80 -3.54	42.60 -0.81 -3.00	52.21 -1.04 -1.48
YORK___WARBASSE 23770	51.39 1.94 -14.09	50.03 1.71 -14.81	49.04 1.68 -10.78	47.01 1.75 -8.09	48.24 1.71 -10.99	48.57 1.46 -17.88	54.07 1.74 -19.49	59.86 1.69 -25.10	55.71 2.18 -17.28	53.87 2.30 -15.10	72.13 2.01 -38.17	66.76 2.05 -32.24	66.36 2.48 -28.44	69.03 2.32 -31.05	73.36 2.10 -36.22	82.04 2.42 -41.19	95.41 2.55 -47.34	103.47 3.56 -42.43	102.88 2.79 -55.79	102.27 2.81 -51.75	87.74 2.51 -38.66	84.03 2.27 -41.88	78.06 2.18 -35.47	71.99 2.64 -17.59