





ASTORIA_EAST_ENERGY_CC1 323581	31.81 1.69 0.00	30.82 1.72 0.00	29.75 1.54 -2.47	29.12 1.23 -6.72	30.69 1.28 -6.94	35.75 1.30 -7.81	47.26 1.87 -10.06	54.26 1.86 -19.21	45.13 2.64 -3.07	38.31 2.48 -0.94	34.45 2.24 -0.65	34.26 2.29 -0.98	34.57 2.20 -1.86	34.93 1.88 -5.34	35.81 1.62 -9.94	39.17 1.71 -11.62	45.54 1.76 -17.56	59.96 2.38 -25.38	51.61 2.08 -18.93	43.20 1.75 -15.69	39.66 1.60 -13.41	35.79 1.42 -12.56	32.18 1.48 -10.14	30.55 1.05 -13.66
ASTORIA_EAST_ENERGY_CC2 323582	31.75 1.63 0.00	30.79 1.69 0.00	29.70 1.49 -2.47	29.10 1.21 -6.72	30.67 1.26 -6.94	35.70 1.25 -7.81	47.16 1.77 -10.06	54.16 1.76 -19.21	45.04 2.56 -3.07	38.28 2.44 -0.94	34.38 2.18 -0.65	34.23 2.26 -0.98	34.57 2.20 -1.86	34.90 1.86 -5.34	35.76 1.57 -9.94	39.12 1.66 -11.62	45.51 1.73 -17.56	59.92 2.35 -25.38	51.58 2.05 -18.93	43.18 1.73 -15.69	39.64 1.58 -13.41	35.77 1.40 -12.56	32.16 1.46 -10.14	30.54 1.03 -13.66
ASTORIA_GT2_1 24094	31.84 1.72 0.00	30.73 1.63 0.00	29.76 1.57 -2.45	29.09 1.25 -6.67	30.57 1.21 -6.89	35.72 1.33 -7.75	47.30 1.91 -10.06	54.30 1.89 -19.22	45.13 2.64 -3.08	38.39 2.55 -0.95	34.45 2.24 -0.65	34.32 2.35 -0.98	34.59 2.23 -1.86	34.99 1.94 -5.35	35.84 1.65 -9.95	39.27 1.78 -11.64	45.62 1.81 -17.59	60.02 2.41 -25.41	51.65 2.11 -18.94	43.23 1.78 -15.70	39.69 1.63 -13.41	35.81 1.44 -12.56	32.10 1.40 -10.14	30.52 1.01 -13.66
ASTORIA_GT2_2 24095	31.84 1.72 0.00	30.73 1.63 0.00	29.76 1.57 -2.45	29.09 1.25 -6.67	30.57 1.21 -6.89	35.72 1.33 -7.75	47.30 1.91 -10.06	54.30 1.89 -19.22	45.13 2.64 -3.08	38.39 2.55 -0.95	34.45 2.24 -0.65	34.32 2.35 -0.98	34.59 2.23 -1.86	34.99 1.94 -5.35	35.84 1.65 -9.95	39.27 1.78 -11.64	45.62 1.81 -17.59	60.02 2.41 -25.41	51.65 2.11 -18.94	43.23 1.78 -15.70	39.69 1.63 -13.41	35.81 1.44 -12.56	32.10 1.40 -10.14	30.52 1.01 -13.66
ASTORIA_GT2_3 24096	31.84 1.72 0.00	30.73 1.63 0.00	29.76 1.57 -2.45	29.09 1.25 -6.67	30.57 1.21 -6.89	35.72 1.33 -7.75	47.30 1.91 -10.06	54.30 1.89 -19.22	45.13 2.64 -3.08	38.39 2.55 -0.95	34.45 2.24 -0.65	34.32 2.35 -0.98	34.59 2.23 -1.86	34.99 1.94 -5.35	35.84 1.65 -9.95	39.27 1.78 -11.64	45.62 1.81 -17.59	60.02 2.41 -25.41	51.65 2.11 -18.94	43.23 1.78 -15.70	39.69 1.63 -13.41	35.81 1.44 -12.56	32.10 1.40 -10.14	30.52 1.01 -13.66
ASTORIA_GT2_4 24097	31.84 1.72 0.00	30.73 1.63 0.00	29.76 1.57 -2.45	29.09 1.25 -6.67	30.57 1.21 -6.89	35.72 1.33 -7.75	47.30 1.91 -10.06	54.30 1.89 -19.22	45.13 2.64 -3.08	38.39 2.55 -0.95	34.45 2.24 -0.65	34.32 2.35 -0.98	34.59 2.23 -1.86	34.99 1.94 -5.35	35.84 1.65 -9.95	39.27 1.78 -11.64	45.62 1.81 -17.59	60.02 2.41 -25.41	51.65 2.11 -18.94	43.23 1.78 -15.70	39.69 1.63 -13.41	35.81 1.44 -12.56	32.10 1.40 -10.14	30.52 1.01 -13.66
ASTORIA_GT3_1 24098	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT3_2 24099	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT3_3 24100	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT3_4 24101	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT4_1 24102	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT4_2 24103	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT4_3 24104	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT4_4 24105	31.78 1.66 0.00	30.65 1.54 0.00	29.71 1.52 -2.45	29.07 1.23 -6.67	30.55 1.19 -6.89	35.67 1.28 -7.75	47.23 1.84 -10.06	54.24 1.83 -19.22	45.09 2.60 -3.08	38.36 2.51 -0.95	34.42 2.21 -0.65	34.29 2.32 -0.98	34.53 2.17 -1.86	34.97 1.91 -5.35	35.82 1.62 -9.95	39.25 1.76 -11.64	45.60 1.78 -17.59	59.99 2.38 -25.41	51.62 2.08 -18.94	43.18 1.73 -15.70	39.64 1.58 -13.41	35.77 1.40 -12.56	32.05 1.36 -10.14	30.49 0.98 -13.66
ASTORIA_GT_1 23523	31.87 1.75 0.00	30.88 1.78 0.00	29.78 1.57 -2.47	29.16 1.27 -6.72	30.73 1.33 -6.94	35.78 1.33 -7.81	47.30 1.91 -10.06	54.29 1.89 -19.21	45.20 2.72 -3.07	38.38 2.55 -0.94	34.48 2.27 -0.65	34.32 2.35 -0.98	34.66 2.29 -1.86	34.98 1.94 -5.34	35.86 1.67 -9.94	39.23 1.76 -11.62	45.59 1.81 -17.56	60.02 2.45 -25.38	51.67 2.14 -18.93	43.25 1.80 -15.69	39.71 1.65 -13.41	35.83 1.46 -12.56	32.22 1.52 -10.14	30.57 1.06 -13.66

ASTORIA_GT_10 24110	31.87 1.75 0.00	30.79 1.69 0.00	29.71 1.52 -2.45	29.09 1.25 -6.67	30.62 1.26 -6.89	35.88 1.49 -7.75	47.62 2.23 -10.06	54.60 2.19 -19.22	45.33 2.84 -3.08	38.57 2.72 -0.95	34.67 2.46 -0.65	34.45 2.48 -0.98	34.75 2.38 -1.86	35.10 2.05 -5.35	35.99 1.79 -9.95	39.38 1.89 -11.64	45.78 1.97 -17.59	60.18 2.58 -25.41	51.81 2.26 -18.94	43.39 1.93 -15.70	39.81 1.75 -13.41	35.92 1.55 -12.56	32.16 1.46 -10.14	30.49 0.98 -13.66
ASTORIA_GT_11 24225	31.87 1.75 0.00	30.79 1.69 0.00	29.71 1.52 -2.45	29.09 1.25 -6.67	30.62 1.26 -6.89	35.88 1.49 -7.75	47.62 2.23 -10.06	54.60 2.19 -19.22	45.33 2.84 -3.08	38.57 2.72 -0.95	34.67 2.46 -0.65	34.45 2.48 -0.98	34.75 2.38 -1.86	35.10 2.05 -5.35	35.99 1.79 -9.95	39.38 1.89 -11.64	45.78 1.97 -17.59	60.18 2.58 -25.41	51.81 2.26 -18.94	43.39 1.93 -15.70	39.81 1.75 -13.41	35.92 1.55 -12.56	32.16 1.46 -10.14	30.49 0.98 -13.66
ASTORIA_GT_12 24226	31.87 1.75 0.00	30.79 1.69 0.00	29.71 1.52 -2.45	29.09 1.25 -6.67	30.62 1.26 -6.89	35.88 1.49 -7.75	47.62 2.23 -10.06	54.60 2.19 -19.22	45.33 2.84 -3.08	38.57 2.72 -0.95	34.67 2.46 -0.65	34.45 2.48 -0.98	34.75 2.38 -1.86	35.10 2.05 -5.35	35.99 1.79 -9.95	39.38 1.89 -11.64	45.78 1.97 -17.59	60.18 2.58 -25.41	51.81 2.26 -18.94	43.39 1.93 -15.70	39.81 1.75 -13.41	35.92 1.55 -12.56	32.16 1.46 -10.14	30.49 0.98 -13.66
ASTORIA_GT_13 24227	31.87 1.75 0.00	30.79 1.69 0.00	29.71 1.52 -2.45	29.09 1.25 -6.67	30.62 1.26 -6.89	35.88 1.49 -7.75	47.62 2.23 -10.06	54.60 2.19 -19.22	45.33 2.84 -3.08	38.57 2.72 -0.95	34.67 2.46 -0.65	34.45 2.48 -0.98	34.75 2.38 -1.86	35.10 2.05 -5.35	35.99 1.79 -9.95	39.38 1.89 -11.64	45.78 1.97 -17.59	60.18 2.58 -25.41	51.81 2.26 -18.94	43.39 1.93 -15.70	39.81 1.75 -13.41	35.92 1.55 -12.56	32.16 1.46 -10.14	30.49 0.98 -13.66
ASTORIA_GT_5 24106	31.87 1.75 0.00	30.88 1.78 0.00	29.78 1.57 -2.47	29.16 1.27 -6.72	30.73 1.33 -6.94	35.78 1.33 -7.81	47.30 1.91 -10.06	54.29 1.89 -19.21	45.20 2.72 -3.07	38.38 2.55 -0.94	34.48 2.27 -0.65	34.32 2.35 -0.98	34.66 2.29 -1.86	34.98 1.94 -5.34	35.86 1.67 -9.94	39.23 1.76 -11.62	45.59 1.81 -17.56	60.02 2.45 -25.38	51.67 2.14 -18.93	43.25 1.80 -15.69	39.71 1.65 -13.41	35.83 1.46 -12.56	32.22 1.52 -10.14	30.57 1.06 -13.66
ASTORIA_GT_7 24107	31.87 1.75 0.00	30.88 1.78 0.00	29.78 1.57 -2.47	29.16 1.27 -6.72	30.73 1.33 -6.94	35.78 1.33 -7.81	47.30 1.91 -10.06	54.29 1.89 -19.21	45.20 2.72 -3.07	38.38 2.55 -0.94	34.48 2.27 -0.65	34.32 2.35 -0.98	34.66 2.29 -1.86	34.98 1.94 -5.34	35.86 1.67 -9.94	39.23 1.76 -11.62	45.59 1.81 -17.56	60.02 2.45 -25.38	51.67 2.14 -18.93	43.25 1.80 -15.69	39.71 1.65 -13.41	35.83 1.46 -12.56	32.22 1.52 -10.14	30.57 1.06 -13.66
ASTORIA_GT_8 24108	31.87 1.75 0.00	30.73 1.63 0.00	29.78 1.60 -2.45	29.11 1.27 -6.67	30.60 1.24 -6.89	35.75 1.36 -7.75	47.34 1.94 -10.06	54.34 1.93 -19.22	45.17 2.68 -3.08	38.43 2.58 -0.95	34.51 2.30 -0.65	34.36 2.39 -0.98	34.63 2.26 -1.86	35.05 1.99 -5.35	35.89 1.70 -9.95	39.32 1.84 -11.64	45.67 1.86 -17.59	60.09 2.48 -25.41	51.71 2.17 -18.94	43.26 1.80 -15.70	39.72 1.65 -13.41	35.84 1.46 -12.56	32.12 1.42 -10.14	30.54 1.03 -13.66
ASTORIA___2 24149	31.78 1.66 0.00	30.79 1.69 0.00	29.72 1.52 -2.47	29.10 1.21 -6.72	30.67 1.26 -6.94	35.70 1.25 -7.81	47.19 1.80 -10.06	54.19 1.79 -19.21	45.09 2.60 -3.07	38.31 2.48 -0.94	34.42 2.21 -0.65	34.26 2.29 -0.98	34.57 2.20 -1.86	34.93 1.88 -5.34	35.78 1.60 -9.94	39.15 1.68 -11.62	45.51 1.73 -17.56	59.92 2.35 -25.38	51.58 2.05 -18.93	43.18 1.73 -15.69	39.66 1.60 -13.41	35.77 1.40 -12.56	32.16 1.46 -10.14	30.54 1.03 -13.66
ASTORIA___3 23516	31.87 1.75 0.00	30.82 1.72 0.00	29.72 1.52 -2.47	29.12 1.23 -6.72	30.69 1.28 -6.94	35.94 1.49 -7.81	47.58 2.19 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.53 2.69 -0.95	34.64 2.43 -0.65	34.42 2.45 -0.98	34.72 2.35 -1.86	35.10 2.05 -5.35	35.95 1.77 -9.94	39.34 1.86 -11.63	45.73 1.94 -17.57	60.16 2.58 -25.38	51.81 2.26 -18.93	43.36 1.91 -15.70	39.79 1.72 -13.41	35.90 1.53 -12.56	32.24 1.54 -10.14	30.52 1.01 -13.66
ASTORIA___4 23517	31.87 1.75 0.00	30.79 1.69 0.00	29.71 1.52 -2.45	29.09 1.25 -6.67	30.62 1.26 -6.89	35.88 1.49 -7.75	47.62 2.23 -10.06	54.60 2.19 -19.22	45.33 2.84 -3.08	38.57 2.72 -0.95	34.67 2.46 -0.65	34.45 2.48 -0.98	34.75 2.38 -1.86	35.10 2.05 -5.35	35.99 1.79 -9.95	39.38 1.89 -11.64	45.78 1.97 -17.59	60.18 2.58 -25.41	51.81 2.26 -18.94	43.39 1.93 -15.70	39.81 1.75 -13.41	35.92 1.55 -12.56	32.16 1.46 -10.14	30.49 0.98 -13.66
ASTORIA___5 23518	31.87 1.75 0.00	30.82 1.72 0.00	29.72 1.52 -2.47	29.12 1.23 -6.72	30.69 1.28 -6.94	35.94 1.49 -7.81	47.58 2.19 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.53 2.69 -0.95	34.64 2.43 -0.65	34.42 2.45 -0.98	34.72 2.35 -1.86	35.10 2.05 -5.35	35.95 1.77 -9.94	39.34 1.86 -11.63	45.73 1.94 -17.57	60.16 2.58 -25.38	51.81 2.26 -18.93	43.36 1.91 -15.70	39.79 1.72 -13.41	35.90 1.53 -12.56	32.24 1.54 -10.14	30.52 1.01 -13.66
AST_ENERGY_2_CC3 323677	31.66 1.54 0.00	30.62 1.51 0.00	29.54 1.34 -2.47	28.99 1.10 -6.72	30.55 1.15 -6.94	35.86 1.41 -7.81	47.51 2.12 -10.06	54.50 2.09 -19.22	45.29 2.80 -3.08	38.43 2.58 -0.95	34.58 2.37 -0.65	34.32 2.35 -0.98	34.62 2.26 -1.86	35.02 1.97 -5.35	35.88 1.70 -9.94	39.28 1.81 -11.63	45.63 1.83 -17.57	60.00 2.42 -25.38	51.68 2.14 -18.93	43.28 1.83 -15.69	39.76 1.70 -13.41	35.86 1.48 -12.56	32.18 1.48 -10.14	30.46 0.95 -13.66
AST_ENERGY_2_CC4 323678	31.66 1.54 0.00	30.62 1.51 0.00	29.54 1.34 -2.47	28.99 1.10 -6.72	30.55 1.15 -6.94	35.86 1.41 -7.81	47.51 2.12 -10.06	54.50 2.09 -19.22	45.29 2.80 -3.08	38.43 2.58 -0.95	34.58 2.37 -0.65	34.32 2.35 -0.98	34.62 2.26 -1.86	35.02 1.97 -5.35	35.88 1.70 -9.94	39.28 1.81 -11.63	45.63 1.83 -17.57	60.00 2.42 -25.38	51.68 2.14 -18.93	43.28 1.83 -15.69	39.76 1.70 -13.41	35.86 1.48 -12.56	32.18 1.48 -10.14	30.46 0.95 -13.66
ATHENS_STG_1 23668	30.88 0.75 0.00	29.89 0.79 0.00	29.14 0.70 -2.71	29.14 0.59 -7.38	30.70 0.61 -7.62	35.93 0.72 -8.57	47.33 0.95 -11.04	55.15 0.86 -21.10	43.94 1.14 -3.38	36.98 1.05 -1.05	33.22 0.95 -0.71	33.03 0.96 -1.08	33.46 0.91 -2.04	34.41 0.83 -5.87	35.88 0.73 -10.92	39.39 0.77 -12.76	46.30 0.79 -19.29	61.06 1.00 -27.87	52.31 0.92 -20.79	43.76 0.77 -17.23	40.11 0.74 -14.72	36.21 0.61 -13.79	32.29 0.60 -11.13	31.22 0.38 -15.00
ATHENS_STG_2 23670	30.88 0.75 0.00	29.89 0.79 0.00	29.14 0.70 -2.71	29.14 0.59 -7.38	30.70 0.61 -7.62	35.93 0.72 -8.57	47.33 0.95 -11.04	55.15 0.86 -21.10	43.94 1.14 -3.38	36.98 1.05 -1.05	33.22 0.95 -0.71	33.03 0.96 -1.08	33.46 0.91 -2.04	34.41 0.83 -5.87	35.88 0.73 -10.92	39.39 0.77 -12.76	46.30 0.79 -19.29	61.06 1.00 -27.87	52.31 0.92 -20.79	43.76 0.77 -17.23	40.11 0.74 -14.72	36.21 0.61 -13.79	32.29 0.60 -11.13	31.22 0.38 -15.00



BARRETT_IC_7 23710	32.36 2.23 0.00	31.17 2.07 0.00	30.04 1.85 -2.45	29.41 1.57 -6.67	31.05 1.69 -6.89	36.57 2.10 -7.83	48.22 2.83 -10.06	55.00 2.59 -19.22	45.92 3.43 -3.08	41.84 3.24 -3.70	37.03 2.90 -2.57	38.45 2.88 -4.58	40.63 2.71 -7.41	41.12 2.63 -10.78	40.93 2.16 -14.53	40.91 2.30 -12.76	46.20 2.39 -17.59	60.70 3.09 -25.41	52.39 2.85 -18.94	44.89 2.24 -16.89	42.16 2.10 -15.41	40.89 1.94 -17.14	37.03 1.83 -14.64	30.68 1.17 -13.67
BARRETT_IC_8 23711	32.24 2.11 -0.01	31.09 1.98 -0.01	29.96 1.75 -2.48	29.40 1.50 -6.73	31.06 1.64 -6.95	36.68 2.16 -7.88	48.15 2.76 -10.06	54.90 2.49 -19.22	46.08 3.59 -3.08	41.87 3.28 -3.70	37.09 2.97 -2.57	38.57 3.00 -4.58	40.87 2.96 -7.41	40.87 2.38 -10.78	40.87 2.11 -14.52	40.87 2.28 -12.75	46.10 2.31 -17.57	60.65 3.06 -25.39	52.34 2.78 -18.94	44.94 2.29 -16.89	42.28 2.22 -15.41	40.87 1.92 -17.14	37.09 1.89 -14.64	30.74 1.22 -13.67
BARRETT_IC_9 23700	32.24 2.11 -0.01	31.09 1.98 -0.01	29.96 1.75 -2.48	29.40 1.50 -6.73	31.06 1.64 -6.95	36.68 2.16 -7.88	48.15 2.76 -10.06	54.90 2.49 -19.22	46.08 3.59 -3.08	41.87 3.28 -3.70	37.09 2.97 -2.57	38.57 3.00 -4.58	40.87 2.96 -7.41	40.87 2.38 -10.78	40.87 2.11 -14.52	40.87 2.28 -12.75	46.10 2.31 -17.57	60.65 3.06 -25.39	52.34 2.78 -18.94	44.94 2.29 -16.89	42.28 2.22 -15.41	40.87 1.92 -17.14	37.09 1.89 -14.64	30.74 1.22 -13.67
BARRETT___1 23545	32.24 2.11 -0.01	31.09 1.98 -0.01	29.96 1.75 -2.48	29.40 1.50 -6.73	31.06 1.64 -6.95	36.68 2.16 -7.88	48.15 2.76 -10.06	54.90 2.49 -19.22	46.08 3.59 -3.08	41.87 3.28 -3.70	37.09 2.97 -2.57	38.57 3.00 -4.58	40.87 2.96 -7.41	40.87 2.38 -10.78	40.87 2.11 -14.52	40.87 2.28 -12.75	46.10 2.31 -17.57	60.65 3.06 -25.39	52.34 2.78 -18.94	44.94 2.29 -16.89	42.28 2.22 -15.41	40.87 1.92 -17.14	37.09 1.89 -14.64	30.74 1.22 -13.67
BARRETT___2 23546	32.24 2.11 -0.01	31.09 1.98 -0.01	29.96 1.75 -2.48	29.40 1.50 -6.73	31.06 1.64 -6.95	36.68 2.16 -7.88	48.15 2.76 -10.06	54.90 2.49 -19.22	46.08 3.59 -3.08	41.87 3.28 -3.70	37.09 2.97 -2.57	38.57 3.00 -4.58	40.87 2.96 -7.41	40.87 2.38 -10.78	40.87 2.11 -14.52	40.87 2.28 -12.75	46.10 2.31 -17.57	60.65 3.06 -25.39	52.34 2.78 -18.94	44.94 2.29 -16.89	42.28 2.22 -15.41	40.87 1.92 -17.14	37.09 1.89 -14.64	30.74 1.22 -13.67
BATAVIA___115KV_TB1 55881	29.95 -0.18 0.00	28.93 -0.17 0.00	26.14 -0.21 -0.61	22.72 -0.11 -1.66	24.16 -0.02 -1.71	28.25 -0.32 -1.93	36.99 -0.85 -2.50	36.68 -1.29 -4.78	38.15 -1.97 -0.71	33.33 -1.78 -0.22	30.40 -1.33 -0.16	30.18 -1.05 -0.24	29.75 -1.19 -0.43	28.13 -0.89 -1.31	26.09 -0.63 -2.48	28.07 -0.67 -2.90	29.89 -0.71 -4.38	37.06 -0.97 -5.83	34.08 -0.83 -4.30	28.61 -0.72 -3.57	27.06 -0.64 -3.05	24.45 -0.46 -3.10	22.67 -0.39 -2.50	19.34 0.13 -3.37
BAYONEEC___CTG1 323682	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG10 323750	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG2 323683	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG3 323684	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG4 323685	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG5 323686	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG6 323687	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG7 323688	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66
BAYONEEC___CTG8 323689	31.72 1.60 0.00	30.67 1.57 0.00	29.57 1.36 -2.47	29.01 1.12 -6.72	30.58 1.17 -6.94	35.91 1.46 -7.81	47.55 2.16 -10.06	54.57 2.16 -19.22	45.37 2.88 -3.08	38.49 2.65 -0.95	34.64 2.43 -0.65	34.39 2.42 -0.98	34.68 2.32 -1.86	35.08 2.02 -5.35	35.91 1.72 -9.94	39.34 1.86 -11.63	45.68 1.89 -17.57	60.03 2.45 -25.38	51.71 2.17 -18.93	43.33 1.88 -15.69	39.79 1.72 -13.41	35.88 1.50 -12.56	32.20 1.50 -10.14	30.47 0.97 -13.66

















































N.AKRON__115KV_KNAPP 355671	29.67 -0.45 0.00	28.70 -0.41 0.00	25.91 -0.44 -0.62	22.57 -0.28 -1.68	23.97 -0.22 -1.73	28.03 -0.56 -1.95	36.62 -1.24 -2.53	36.33 -1.69 -4.83	37.68 -2.44 -0.71	32.92 -2.20 -0.22	30.02 -1.70 -0.16	29.84 -1.39 -0.25	29.44 -1.49 -0.43	27.84 -1.19 -1.32	25.87 -0.87 -2.50	27.82 -0.96 -2.93	29.65 -1.00 -4.42	36.63 -1.38 -5.82	33.68 -1.22 -4.30	28.29 -1.03 -3.56	26.76 -0.94 -3.04	24.27 -0.68 -3.13	22.51 -0.58 -2.53	19.26 0.02 -3.40
N.BELMOR_69_KV_BK1 55787	32.48 2.35 0.00	31.26 2.15 0.00	30.12 1.93 -2.45	29.47 1.63 -6.67	31.14 1.77 -6.89	36.72 2.32 -7.77	48.43 3.04 -10.06	55.23 2.82 -19.22	46.16 3.67 -3.08	40.11 3.56 -1.66	35.99 3.16 -1.27	36.28 3.19 -2.10	39.44 3.05 -5.89	38.93 2.80 -8.43	39.79 2.42 -13.12	40.41 2.58 -11.97	46.41 2.60 -17.59	60.99 3.38 -25.41	52.63 3.09 -18.94	44.40 2.55 -16.09	41.27 2.39 -14.23	37.70 2.18 -13.71	33.75 1.99 -11.20	30.74 1.24 -13.67
N.E_GEN_SANDY PD 24062	31.15 1.02 0.00	30.21 1.11 0.00	29.50 1.03 -2.74	29.45 0.85 -7.44	31.05 0.90 -7.68	36.29 1.01 -8.64	47.91 1.45 -11.13	59.15 1.39 -24.56	41.30 1.78 -0.11	37.45 1.50 -1.05	33.70 1.42 -0.72	33.50 1.43 -1.09	33.97 1.40 -2.06	34.87 1.25 -5.92	36.36 1.12 -11.00	39.88 1.16 -12.87	46.90 1.23 -19.44	61.77 1.48 -28.09	53.00 1.44 -20.96	44.26 1.13 -17.37	40.60 1.11 -14.84	36.65 0.94 -13.90	32.64 0.86 -11.22	31.60 0.63 -15.12
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	31.54 1.42 0.00	30.50 1.40 0.00	29.27 1.16 -2.38	28.58 0.95 -6.46	30.15 1.01 -6.68	35.40 1.25 -7.51	46.64 1.70 -9.62	53.22 1.66 -18.37	44.41 2.05 -2.94	37.76 1.95 -0.91	34.01 1.83 -0.62	33.75 1.83 -0.94	34.05 1.77 -1.78	34.37 1.55 -5.11	35.11 1.36 -9.51	38.45 1.47 -11.13	44.50 1.47 -16.81	58.45 1.96 -24.29	50.45 1.74 -18.10	42.21 1.44 -15.00	38.88 1.41 -12.82	35.08 1.27 -12.01	31.44 1.19 -9.69	29.66 0.76 -13.06
N.QUEENS_27_KV_LOAD 356247	31.87 1.75 0.00	30.73 1.63 0.00	29.78 1.60 -2.45	29.11 1.27 -6.67	30.60 1.24 -6.89	35.75 1.36 -7.75	47.34 1.94 -10.06	54.34 1.93 -19.22	45.17 2.68 -3.08	38.43 2.58 -0.95	34.51 2.30 -0.65	34.36 2.39 -0.98	34.63 2.26 -1.86	35.05 1.99 -5.35	35.89 1.70 -9.95	39.32 1.84 -11.64	45.67 1.86 -17.59	60.09 2.48 -25.41	51.71 2.17 -18.94	43.26 1.80 -15.70	39.72 1.65 -13.41	35.84 1.46 -12.56	32.12 1.42 -10.14	30.54 1.03 -13.66
N.TROY___115KV_TB1 355778	31.27 1.14 0.00	30.24 1.14 0.00	29.78 1.06 -2.99	30.17 0.87 -8.14	31.82 0.94 -8.40	37.13 1.04 -9.45	49.04 1.52 -12.19	57.86 1.39 -23.28	44.80 1.66 -3.73	37.44 1.40 -1.15	33.64 1.29 -0.79	33.45 1.27 -1.19	34.01 1.25 -2.26	35.35 1.16 -6.48	37.37 1.07 -12.06	41.09 1.14 -14.10	48.68 1.15 -21.31	64.36 1.38 -30.78	54.87 1.32 -22.94	45.81 1.03 -19.02	41.89 0.99 -16.25	37.82 0.79 -15.22	33.63 0.78 -12.28	32.99 0.59 -16.56
NARROWS_GT1_1 24228	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_2 24229	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_3 24230	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_4 24231	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_5 24232	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_6 24233	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_7 24234	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT1_8 24235	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66
NARROWS_GT2_1 24236	32.12 1.99 -0.01	31.06 1.95 -0.01	29.90 1.70 -2.47	29.27 1.38 -6.72	30.85 1.44 -6.94	36.10 1.65 -7.81	47.80 2.40 -10.06	54.77 2.36 -19.22	45.53 3.04 -3.08	38.67 2.82 -0.95	34.76 2.56 -0.65	34.54 2.57 -0.98	34.81 2.44 -1.86	35.22 2.16 -5.35	36.05 1.87 -9.94	39.47 1.99 -11.63	45.92 2.12 -17.57	60.38 2.80 -25.38	52.02 2.48 -18.93	43.54 2.09 -15.70	39.91 1.85 -13.41	36.01 1.64 -12.56	32.36 1.66 -10.14	30.62 1.11 -13.66





































YORK____WARBASSE	32.12	31.03	29.89	29.22	30.78	36.04	47.83	54.80	45.53	38.71	34.80	34.57	34.87	35.22	36.09	39.51	45.96	60.44	52.05	43.57	39.96	36.03	32.28	30.57
23770	1.99	1.92	1.70	1.38	1.42	1.65	2.44	2.39	3.03	2.86	2.59	2.60	2.50	2.16	1.89	2.02	2.15	2.83	2.51	2.11	1.90	1.66	1.58	1.06
	-0.01	-0.01	-2.45	-6.67	-6.89	-7.75	-10.06	-19.22	-3.08	-0.95	-0.65	-0.98	-1.86	-5.35	-9.95	-11.64	-17.59	-25.41	-18.94	-15.70	-13.41	-12.56	-10.14	-13.66