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Electoral Boundary Redesign Using Small Area Population Forecasts

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It is a requirement of the South Australian Constitution Act to perform an electoral redistribution after each state election (4 year terms) to ensure the number of electors is within the specified tolerance of the electoral quota. The electoral redistribution is based on Census Collection District level projections of voter age population – prepared by PlanningSA. This paper provides an overview of; the GIS techniques and methods used to capture information about current and future residential development activity. the 2010 CD level population projections prepared by PlanningSA the new GIS based electoral redistribution mapping system developed by PlanningSA for the South Australian Electoral Districts Boundaries Commission. The electoral redistribution mapping system uses CD level population forecasts and could be adapted for a range of other education, health and business planning applications.