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## **Methodology of 2013-2050 Sub-county Population Projections for Pima County**

The Pima County population projections were generated by the Arizona Department of Administration, Office of Employment & Population Statistics, and were officially used as the County control total for sub-county population projections.

There are five incorporated places in Pima County which are the City of Tucson, the City of South Tucson, the Town of Oro Valley, the Town of Marana, and the Town of Sahuarita. To develop the future population forecasts for these five places and the balance of the County, Pima Association of Governments (PAG) first analyzed the historical growth rate, the building permits issued and the changes that occurred in the ratio share of the places of the Pima County total. PAG then collected information for long-term future land use plans of the incorporated places and the County.

In viewing different characteristics of each incorporated place, each place was calculated independently using following methods:

The City of Tucson consulted with Mr. Dave Taylor of DemoFacts LLC for the population projections. Mr. Taylor based his forecasts on data from the University of Arizona, Economic and Business Research Center to generate a series of projections for the City. PAG adopted this projection series from Mr. Taylor, modified it by using 2012 building permits to estimate 2013 population as the base, then applied the growth rate of 2014 through 2050 from Mr. Taylor's projection series to generate the final version of projections for the City.

The projections for the Town of Marana, the Town of Oro Valley and the Town of Sahuarita were generated by analyzing the trend of historical building permits data, then forecast the growth of housing units in different Census blocks, according to the long-term future plans. Using the housing units numbers, projected the population of those Census blocks based on Census 2010 persons per household and occupancy rate with adjustments of the local specific characteristics. Lastly, PAG aggregated the projected Census blocks population to the place level.

The projections of the City of South Tucson were calculated by estimated growth rate and the share of the County total, according to the historical data.

The unincorporated balance of the County was calculated as the residuals of the sum of all incorporated places. PAG also consulted with the County for the growth and development of the Census Designated Places (CDPs).

### Note:

The projections for the Town of Marana include only the Pima County portion. These projections were based on July 1, 2013, incorporated limits of the places and held constant for the whole projection period.