

October 26, 2011

TO: Members of the MAG Population Technical Advisory Committee

FROM: Jim Bacon, Paradise Valley, Chair

SUBJECT: TRANSMITTAL OF MEETING NOTICE AND TENTATIVE AGENDA

Tuesday, November 1, 2011 - 10:00 a.m.
MAG Office, Second Floor, Chaparral Room
302 North 1st Avenue, Phoenix

A meeting of the MAG Population Technical Advisory Committee (POPTAC) will be held at the time and place noted above.

Members of the POPTAC may attend either in person or by telephone conference. If you are attending via audioconference please contact Steve Gross at (602) 254-6300 at least one day prior to the meeting.

Visitor parking is available in the surface parking lot adjacent to the building. Refer to the enclosed map.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Scott Wilken at the MAG office. Requests should be made as early as possible to allow time to arrange the accommodation.

Please be advised that under procedures approved by the MAG Regional Council on June 26, 1996, all MAG committees need to have a quorum to conduct business. A quorum is a simple majority of the membership or 14 people for the MAG POPTAC. If you are unable to attend the meeting, please make arrangements for a proxy from your jurisdiction with Scott Wilken at (602) 254-6300.

TENTATIVE AGENDA
MAG Population Technical Advisory Committee
November 1, 2011

1. Call to Order

2. Call to the Audience

An opportunity will be provided to members of the public to address the MAG POPTAC on items not scheduled on the agenda that fall under the jurisdiction of MAG, or on items on the agenda for discussion but not for action. Members of the public will be requested to limit their comments to three minutes. A total of 15 minutes will be provided for this agenda item, unless the Chair of the POPTAC provides for an exception to this limit. Those wishing to comment on action agenda items will be given an opportunity at the time the item is heard.

3. Approval of Meeting Minutes of September 27, 2011.

4. Census Update - Delineation of 2010 Public Use Microdata Areas (PUMAs)

The Census Bureau has offered State Data Centers an opportunity to delineate or coordinate the delineation of Public Use Microdata Areas (PUMAs). The PUMAs are based upon aggregations of contiguous Census Tracts to achieve a PUMA population of at least 100,000 people. Because the Census Bureau recommends trying to maximize the number of PUMAs, MAG has stayed within the recommended maximum population of 200,000 people for all PUMAs. Arizona's State Data Center has requested input from MAG for 2010 PUMA boundaries by November 29, 2011. MAG has identified 35 PUMAs for Maricopa County based on Census rules and guidelines for PUMA delineation. A

2. For information.

3. For information, discussion and approval of the minutes of September 27, 2011.

4. For information and discussion

draft version of MAG's recommended PUMA boundaries was sent to members of the MAG POPTAC for review and comment on October 10. MAG staff has incorporated comments provided by members of the POPTAC inasmuch as possible. The MAG POPTAC is requested to recommend approval of these PUMA boundaries to the MAG Management Committee. Staff will forward the final boundaries, including input from POPTAC, to the State Data Center. A draft map of the current recommended draft PUMA boundaries is included as Attachment One.

5. Draft July 1, 2011 Maricopa County and Municipality Resident Population Updates and Methodology

Arizona Department of Administration (ADOA) is preparing the July 1, 2011 resident population updates for each county in the state. MAG has received a draft 2011 County population update for Maricopa County. MAG staff has developed a draft set of provisional municipality updates based on the draft control total for Maricopa County. The updates, which are used to prepare budgets and set expenditure limitations, were prepared using the 2010 Census as the base and housing unit data supplied and verified by MAG member agencies. These updates are needed by the Economic Estimates Commission. Because there may be changes to the State and county control totals by ADOA, the MAG POPTAC is requested to recommend approval of these updates to the MAG Management Committee provided the Maricopa County control total is within one percent of the final control total. Please see Attachment Two.

5. For information, discussion, and possible recommendation to the MAG Management Committee to approve the Draft July 1, 2011 Maricopa County and MAG Municipality Resident Population Updates, provided the Maricopa County control total is within one percent of the final control total.

6. State Demographer's Office Update

The Council of Technical Solutions, authorized by Executive Order 2011-04 and staffed by the Arizona Department of Administration, meets every month to discuss technical issues as related to population data, methods and processes for the State of Arizona. An update on current activities will be provided.

7. Intercensal Estimates: 2000-2010

With the availability of Census 2010 data, MAG staff has been working with the State Demographer's Office to develop an intercensal estimates series from 2000 to 2010. MAG Staff will present a place-level version developed by the State Demographer's Office and a place-level version developed by MAG staff that is controlled to Census Bureau intercensal estimates for Maricopa County. Please see Attachment Three.

8. Data Collection and Review

a. Land Use Database

Ongoing data collection efforts include land use information such as General Plan amendments and development projects. The land use data collected are used in preparing socioeconomic projections and conducting regional analysis. A schedule for the collection of data for the next six months is included in Attachment Four. A review of MAG's Draft Existing Land Use database will be undertaken in October. More information will be provided to POPTAC members on the developments review at the next meeting. A status report will be provided.

6. For information and discussion.

7. For information and discussion.

8.

a. For information and discussion

b. Employer Database

MAG has for many years maintained a database of all employers with 5 or more employees. Data collection for the 2011 MAG Employer database is underway. An update will be provided.

9. MAG Member Agency Meetings

a. Recent Meetings Update

MAG Staff is currently meeting with member agencies to demonstrate the new interactive GIS mapping and reporting websites, as well as to discuss land use planning efforts and regional land use planning issues. An update on these meetings will be provided.

b. Planners Stakeholder Group

MAG will soon be restarting the Planner Stakeholder Group meetings as a periodic workshop and open discussion meeting focused on specific topics. MAG staff will give an update on the upcoming resumption of these meetings.

10. Avondale General Plan 2030

On October 5, 2011, the City of Avondale released the update to their general plan for its 60-day review. Stacey Bridge-Denzak, the project manager for the General Plan update, will give an overview of the updated plan and will discuss the process used to write the draft.

11. Designing Transit Accessible Communities

The purpose of the study is to develop strategies to make transit more accessible for pedestrians and bicyclists. The

b. For information and discussion

9.

a. For information and discussion.

b. For information and discussion.

10. For information and discussion.

11. For information and discussion.

American Public Transit Association (APTA) defines transit access as "the segment of an individual trip that occurs between an origin or destination point and the transit system." The goals of the study are: 1) to identify the challenges that are faced by transit users in the region when accessing transit; 2) recommend improvements, policies, and guidelines that are applicable in the MAG region; and 3) provide a cost analysis and a framework for funding options and prioritization. MAG staff will provide an overview of this study.

12. Regional Updates

MAG POPTAC members and MAG staff will have the opportunity to provide an update on development within their jurisdiction, amendments to general plans and any special projects.

13. Next Meeting of MAG POPTAC

The next meeting of the MAG POPTAC is currently scheduled for Tuesday, January 24, 2012 at 10:00 a.m. Please note that there will be no POPTAC meeting held in December 2011.

12. For information and discussion.

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
POPULATION TECHNICAL ADVISORY COMMITTEE

September 27, 2011
MAG Offices, Ironwood Room
302 N. 1st Ave, Phoenix

MEMBERS IN ATTENDANCE

Jim Bacon, Paradise Valley, Chair
*Tracy Clark, ADOT
Charlie McClendon, Avondale, Vice Chair
*Bryant Powell, Apache Junction
A-Claudia Herrera for Andrea Marquez, Buckeye
A-DJ Stapley, Carefree
*Usama Abujbarah, Cave Creek
David de la Torre, Chandler
A-Mark Smith, El Mirage
Thomas Ritz, Glendale
Katie Wilken, Goodyear
*Gino Turrubiarres, Guadalupe
*Rick Buss, Gila Bend

A-Linda Edwards for Kyle Mieras, Gilbert
A-Sonny Culbreth, Litchfield Park
*Matt Holm, Maricopa County
*Wahid Alam, Mesa
A-Ed Boik, Peoria
Max Enterline for Chris DePerro, Phoenix
Dave Williams, Queen Creek
*Bryan Meyers, Salt River Pima-Maricopa Indian
Community
A-Eddie Lamperez, Scottsdale
*Lloyd Abrams, Surprise
A-Arlene Palisoc for Lisa Collins, Tempe
*Anne McCracken, Valley Metro
*Lloyce Robinson, Youngtown

** Not in attendance*

A - Participated via audioconference

OTHERS IN ATTENDANCE

Eric Morgan, Avondale
A-Ken Valverde, Fountain Hills
Pam Nagel, ADWR
Steve Gross, MAG
Jason Howard, MAG
Jami Garrison, MAG
Anubhav Bagley, MAG
Scott Wilken, MAG
Peter Burnett, MAG
Scott Bridwell, MAG
Kurt Cotner, MAG

Eileen Yazzie, MAG
Amy St. Peter, MAG
Mark Roberts, MAG
Jesse Ayers, MAG
Alice Chen, MAG
Shannon Acevedo, MAG
Jon Donie, MAG
Jorge Luna, MAG
Marc Pearsall, MAG
Hanyi Li, MAG

1. Call to Order

The meeting was called to order at 10:10 am by Chair Jim Bacon.

2. Call to the Audience

Jami Garrison introduced Shannon Acevedo, Regional Planner I, and Jon Donie, Regional Economist, as the newest members of the MAG Information Services team.

3. Approval of the Meeting Minutes of June 28, 2011

Thomas Ritz moved that the June 28, 2011 draft minutes be approved. Charlie McClendon seconded the motion and the Committee unanimously approved the minutes of June 28, 2011.

4. Census Update

4A. Count Question Resolution (CQR) Program

Peter Burnett discussed findings and analysis that MAG staff has done on the Count Question Resolution (CQR) Program to provide information that member agencies might find helpful as they go through the CQR Program. He talked about high level analysis MAG staff conducted to see where potential problems in the census mapping might be. He said that this included items like housing units counted in the wrong block, which made the block-level accuracy questionable, but the block group still reasonable. He said that, when looking at undercounts in a specific block, it is important to look at the surrounding blocks to see if there are corresponding overcounts that balance out over the block group.

Peter Burnett said that staff also examined group quarters counts, but that MAG only has group quarter capacity and not occupancy, so the comparison to the census count may not be as helpful. He said that the biggest issue he found with this examination is whether the Census Bureau classified units as group quarters or general population.

Max Enterline asked if staff has conducted a tract-level analysis, and if the errors smooth out at that level. Peter Burnett said that he has not conducted that analysis, but he can do that.

Dave Williams asked what the time frame for appeals on the group quarters is. Jami Garrison said that the deadline for appeals is June 2013.

Jim Bacon said that he sees the difference between group quarters population and capacity as a vacancy rate, and asked if it seems reasonable that group quarters would have a vacancy rate of 25%. Anubhav Bagley said that it's difficult to say this, because different types of group quarters have different situations. He said that, for example, prisons may have a different occupancy rate than dormitories. He said that MAG collects group quarter occupancy where available, but that the information is incomplete.

Katie Wilken asked if a group quarters is tagged as general population but the population is close to being accurate, is it worth a municipality's time to submit to the census bureau in order to get it tagged correctly. Anubhav Bagley said that, from a financial standpoint, he doesn't think it would make much difference. He said that, from an accuracy standpoint, it could make a difference, but that the municipality could just tell MAG and that staff would make the changes in their database, which will be used for making estimates and projections.

David de la Torre talked about the City of Chandler's experience with submitting to the CQR program. He said that in one instance, there were 56 units in one block, while the Census Bureau said there were 950 units. He said that another block, which was an existing agricultural field with no units, the Census Bureau reported almost 200 units. He said that, overall, looking at neighboring blocks, the numbers tended to balance out. However, he said that Chandler found about 500 units that they believe the Census Bureau missed. He said that their analysis started by comparing the census data to their data block by block to find discrepancies. He said that most of the issues tended to be geocoding issues that Peter Burnett mentioned. He said that there were some missing units in some gated communities. He also said that they found some significant

issues with TIGER file boundaries, with the boundaries off quite a bit. He said that they found units that should be in the city limits of Chandler reported as being in unincorporated Maricopa County. He said that as part of the CQR submittal they submitted around 140 maps to the Census Bureau. He said that they identified each block that had discrepancies, but they didn't know in each block which addresses had been missed. Because of this they ended up with over 30,000 addresses in their challenge. The Census Bureau guidelines indicate that a separate map is required for each address, but he said that the Census Bureau allowed them to submit multiple addresses on a map, and they ended up only having to submit 140 maps. He said that their challenge included geocoding and coverage challenges, as well as boundary challenges.

Jami Garrison added that if any MAG member agencies need help with the CQR program, they can contact MAG staff.

4B. Census 2010 Data

Jami Garrison gave an update on the release of Census 2010 data. She said that the final summary file 1 data has been released. She said that the packet contains an updated schedule of Census 2010 product releases. She said that on September 22nd, the first American Community Survey (ACS) that is benched to the 2010 Census, the one-year 2010 ACS, was released, which is for places with a population of 65,000 or more. She said that the three-year ACS based on the 2010 census will be released in October, and will be for places with population of 20,000 or more. She also said that in December the five-year ACS that is benched to the 2010 census will be released, and that release will go down to the block group level. She said that summary file 2, containing the more detailed information, will be released starting in December through April 2012.

4C. Delineation of 2010 Public Use Microdata Areas (PUMAs)

Jason Howard gave an update on Public Use Microdata Areas (PUMA) delineation. He said that these are the tabulation areas that are used with Public Use Microdata Sample (PUMS) data. He said that PUMS are anonymous records of individual housing units and their occupants from the 2010 Census or ACS, which gives MAG staff the ability to extrapolate region-wide characteristics for socioeconomic modeling. He said that the PUMS will produce a 5% sample level from the 2010 Census or ACS. He said that PUMA boundaries will be built on census tracts. He outlined rules and guidelines for creating PUMA boundaries, including a minimum of 100,000 population, and ideally not exceeding 200,000.

Jason Howard said that MAG will be responsible for delineating PUMA boundaries in Maricopa County, and that staff will work with member agencies to review and approve the boundaries. He said that POPTAC representatives will receive draft boundaries for their review, and gave an overview of the timeline.

Thomas Ritz asked if the goal is to keep the 2000 PUMA boundaries intact whenever possible. Jason Howard said that it makes sense to keep them intact as much as possible, but in some instances may not be practical. Katie Wilken asked what data is provided by the PUMS and how it is different from census data. Jason Howard said the information isn't different, but it is a sample of the actual individual household responses.

5. State Demographer's Office Update

Jami Garrison gave an update on the State Demographer's Office. She said that they are now at officially at the Arizona Department of Administration (ADOA), in the Office of Employment and Population Statistics. She said that their new website is azstats.gov.

Jami Garrison said that the State Demographer's Office is working on collecting the Housing Unit Method (HUM) data, and the PUMA delineation. She also said that they are continuing to discuss estimate methods for 2011 population estimates.

6. Intercensal Estimates: 2000-2010

Scott Bridwell gave an update on the 2000-2010 intercensal estimates. He said that staff looks at two types of estimates. He said that the first type is the postcensal estimates, which are the annual estimates that get produced by MAG on a yearly basis. He said that these are based on the HUM data. He said that the other type is the intercensal, which staff takes the previous census and the current census and tries to find what happened in between the two. He said that one thing that is done is to take the original annual estimates and make adjustments so that they comply with the actual census count. He described the methods used by the State Demographer's Office to adjust the previous estimates.

Scott Bridwell said that MAG's role in the process is to look at the methods used, and see if there are any other datasets that could be used to inform the new estimates, such as residential completions or births and deaths. He also said that staff is looking at vacancy rates to see if they could be used, as well.

He said that MAG staff is still exploring some potential techniques and are still in discussions with ADOA. He said that staff hopes to have more decisive recommendations at the next meeting.

Max Enterline asked the estimates are called postcensal if they're made for the time period between censuses. Scott Bridwell said that the estimates are called postcensal because they are created using the previous census, and all the estimates are after that census.

Max Enterline asked why, if a special census was conducted in 2005, there wasn't more of a bump in population followed by a decline. Anubhav Bagley said this is the reason the process is being done in two parts- 2000 to 2005 and 2005 to 2010. He said that the biggest issue with 2005 was that it was a survey, rather than a full census. He said that staff is looking at this with and without 2005 to see what makes the most sense.

Thomas Ritz asked if there is a limit to the detail the Census Bureau is willing to do, or if there's a size limit to how small an area the Census Bureau will do these estimates. Anubhav Bagley said that the Census Bureau will only go down to the county level for this, and that MAG and the state are going down to the local level.

7. Data Collection and Review

Jason Howard gave an update on the data collection timeline. He said that the next dataset that will be sent out for review is the existing land use, which will be sent in October, to be reviewed and returned by November.

Kurt Cotner gave a wrap-up of general plan and development data review.

8. Sustainable Transportation – Land Use Integration Study

Eileen Yazzie gave an overview of the Sustainable Transportation – Land Use Integration Study (STLUIS). She said that the main purpose of the study is to look at transit, seeing what types of land use support transit options, looking at transit-ready corridors, and examining what the market has dictated in the past, is dictating now, and what we can look for in the future.

Eileen Yazzie said that staff has looked at land use, socioeconomic and population data in the transit corridors. She said that MAG has partnered with the Urban Land Institute (ULI) to leverage their members in the business community to find current market conditions related to transit corridors.

Eileen Yazzie talked about the day-long workshop MAG and ULI held with private businesses and developers. She said that one thing that was mentioned frequently was rubber tire transit, and Bus Rapid Transit (BRT) routes, saying that BRT stations and routes are effective, but much cheaper than light rail.

Eileen Yazzie said that the next big milestone for the project will be scenarios. She said that staff has done a base case of moving the population to 8,000,000 without a year attached. She said that from that staff will create three scenarios to allow evaluation of sustainable transit and transportation, and what land use supports it. She said that the first scenario will be Transit-Ready Corridors, examining what is ready to go today and what will support that high-capacity transit. She said that the second scenario is Transit Supply, which is looking at what the system would look like if everyone got their transit wish list and if there is enough employment and population to support that. She said that the third scenario is a merger of the two, to see what would be most productive.

Anubhav Bagley talked about the method used to come to the 8,000,000 population base case scenario. He said that the Central Phoenix Framework Study and existing land use, employer, and other datasets were used to create a scenario that doubles the region's population at some point in the future. He said that the existing 2035 projection was used, which had a population of 6.5 million, and the additional 1.5 million was added based on new general plans and land use data. He said that the build out model has been built, and any member agency that is interested in seeing the models can see them. He said that by the end of the year, MAG will send out build out files for review, which is the first step for the next set of projections.

Eileen Yazzie talked about the next steps for the project. She said that the next stakeholder meeting will be October 20 at 10 am. She said the next milestone completion will be the three scenarios and the financial feasibility analysis of each of the scenarios, followed by the mobility priority recommendations and the pathways to get to different types of transit.

9. Brookings Metropolitan Business Planning Initiative Update

Amy St. Peter gave an overview of the Brookings Metropolitan Business Planning Initiative, the goal of which is to create a regional economic development plan. She said that MAG was selected along with Syracuse, New York, Memphis, Tennessee, and Louisville/Lexington, Kentucky to take part in this study by the Brookings Institution. She said that Brookings has sent MAG data on 100 different metro regions to help us to better understand dynamics in this region, as well as compare ourselves to peer region markets. She said that the data are being organized around five leverage points provided by Brookings: regional concentrations (clusters); human capital aligned with job pools; innovation-enabling infrastructure; spatial efficiency; and effective public and civic culture and institutions. She said that staff is closely coordinating with organizations like the Greater Phoenix Economic Council and the Arizona Commerce Authority

to reduce any possibility for duplication of effort and to leverage/promote existing efforts. She said that the goal of the strategic overview is to accurately describe our regional economy. From this foundation, we will identify one or more lead initiatives to collectively pursue. She said that the benefit of working with Brookings is they can assist us in analyzing the market research and identifying opportunities for the region to become more competitive on a national and global scale. She said that MAG issued a Request for Proposals to secure a business consultant to assist with this project with a due date of October 7th and a notice to proceed by mid-December.

Amy St. Peter said that support is requested in three main areas: to suggest possible lead initiatives based on the strategic overview; to develop a business plan to implement the lead initiative, including a description of the staffing, structure, and supplies needed; and to develop a prospectus to solicit public, private, and civic investment in the lead initiative(s). She said that the public launch will be during the MAG Economic Development Committee meeting on October 4, 2011, and there will be a technical work session in Phoenix on October 20 and 21st. She also said that on December 9, MAG staff will be in Washington DC to meet with Brookings and the other peer regions.

10. MAG Member Agency Meetings

Scott Wilken discussed recent meetings with member agencies. He said that he and Jason Howard have been meeting with member agencies to demonstrate the new interactive GIS mapping and reporting websites that were shown at the last POPTAC meeting. He said that at these meetings, they have been engaging the member agency planning and development representatives in a discussion about land use analysis, general plan review, current and upcoming major developments, and what information MAG could provide that would be useful in their work. He also talked about the upcoming relaunch of the Planner Stakeholder Group. He said that, to date, they have met with about half of the member agencies, and the goal is to meet with everyone.

11. Chair and Vice Chair Term Appointments

Scott Wilken discussed the upcoming vacancy at POPTAC Vice Chair. He said that the term of the current Chair, Jim Bacon, is ending at the end of this year. At that time, he said that the current Vice Chair, Charlie McClendon, will become the Chair of POPTAC. He said that MAG is currently taking letters of interest in the position, and that letters of interest are due November 1st, 2011. He said that the Regional Council Executive Committee will appoint a new Vice Chair at their November 14, 2011 meeting, and that person will start in the position next year.

12. Regional Updates

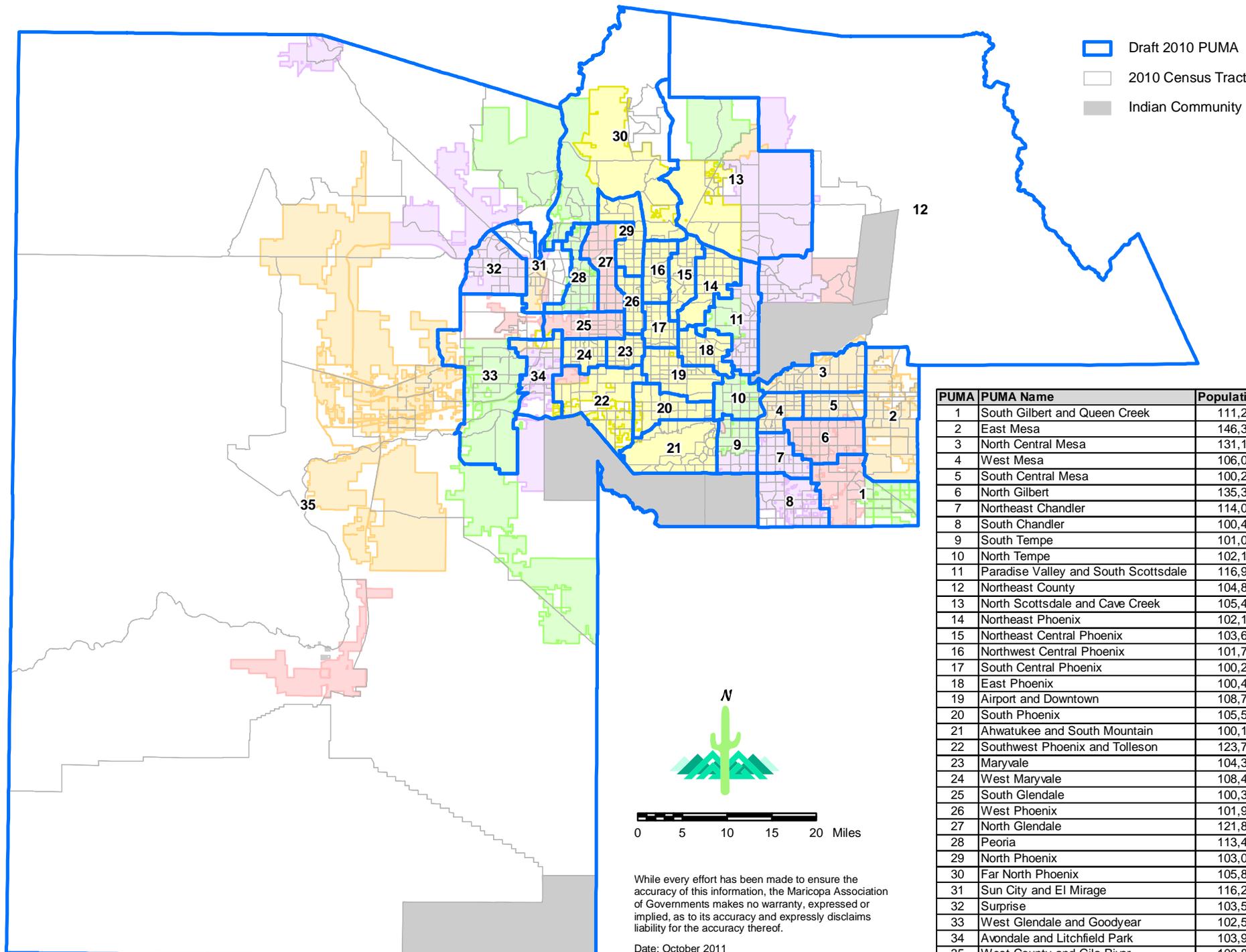
Mark Smith said that the City of El Mirage recently adopted a new form based code for the entire city, to implement the new general plan that was adopted last year. He said that he will be talking about the code at the Arizona Planning Association state conference later in the week.

Jim Bacon said that later this week his planning staff will be presenting the update to the town's general plan to the Town Council. He said that the update is based on the most extensive public outreach Paradise Valley has ever done on a planning project. He said that a visioning committee of about 25 citizens held about 50 meetings to decide what the town should look like in the next 20 years. He also said that the general plan update process was done without a consultant, and was done entirely in-house. He said that by the end of October he expects the Town Council will ask the Town Clerk to put the plan on the ballot for voters in March, 2012.

13. Next Meeting of the MAG POPTAC

Chair Bacon said that the next meeting of the MAG POPTAC is scheduled for Tuesday, October 25, 2011 at 10:00 am. The meeting adjourned at 11:34 am.

Draft Recommended 2010 PUMA Boundaries



PUMA	PUMA Name	Population
1	South Gilbert and Queen Creek	111,283
2	East Mesa	146,304
3	North Central Mesa	131,113
4	West Mesa	106,091
5	South Central Mesa	100,229
6	North Gilbert	135,319
7	Northeast Chandler	114,036
8	South Chandler	100,430
9	South Tempe	101,048
10	North Tempe	102,150
11	Paradise Valley and South Scottsdale	116,958
12	Northeast County	104,877
13	North Scottsdale and Cave Creek	105,478
14	Northeast Phoenix	102,189
15	Northeast Central Phoenix	103,639
16	Northwest Central Phoenix	101,757
17	South Central Phoenix	100,212
18	East Phoenix	100,444
19	Airport and Downtown	108,714
20	South Phoenix	105,514
21	Ahwatukee and South Mountain	100,182
22	Southwest Phoenix and Tolleson	123,745
23	Maryvale	104,327
24	West Maryvale	108,404
25	South Glendale	100,367
26	West Phoenix	101,932
27	North Glendale	121,841
28	Peoria	113,447
29	North Phoenix	103,065
30	Far North Phoenix	105,818
31	Sun City and El Mirage	116,222
32	Surprise	103,540
33	West Glendale and Goodyear	102,571
34	Avondale and Litchfield Park	103,989
35	West County and Gila River	109,882

While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

Date: October 2011

Municipality Population and Housing Unit Update (DRAFT)

April 1, 2010 and July 1, 2011
Maricopa Association of Governments

Jurisdiction	Census 2010 (April 1 2010)							April 1 2010 - June 30 2011					Total Housing Units	Population			Jurisdiction
	Population			Housing Units		Occupancy Rate	Persons per Occupied Units	Residential Completions	Residential Demolitions	Annexed Housing Units	Annexed Household Population	Change in Group Quarters		Household	Group Quarter	Total	
	Total	Household	Group Quarter	Total	Occupied												
Apache Junction*	294	294	0	293	210	71.67%	1.40000	0	0	0	0	0	293	294	0	294	Apache Junction*
Avondale	76,238	76,078	160	27,001	23,386	86.61%	3.25314	44	4	0	0	0	27,041	76,212	160	76,372	Avondale
Buckeye	50,876	45,782	5,094	18,207	14,424	79.22%	3.17402	461	0	1	3	-131	18,669	47,168	4,963	52,131	Buckeye
Carefree	3,363	3,316	47	2,251	1,654	73.48%	2.00484	2	0	0	0	0	2,253	3,320	47	3,367	Carefree
Cave Creek	5,015	5,015	0	2,579	2,150	83.37%	2.33256	16	1	0	0	0	2,594	5,050	0	5,050	Cave Creek
Chandler	236,123	235,577	546	94,404	86,924	92.08%	2.71015	670	10	2	4	0	95,066	237,545	546	238,091	Chandler
El Mirage	31,797	31,784	13	11,326	9,416	83.14%	3.37553	17	0	0	0	0	11,343	31,841	13	31,854	El Mirage
Fort McDowell	971	971	0	308	283	91.88%	3.43110	0	0	0	0	0	308	971	0	971	Fort McDowell
Fountain Hills	22,489	22,307	182	13,167	10,339	78.52%	2.15756	28	0	0	0	0	13,195	22,364	182	22,546	Fountain Hills
Gila Bend	1,922	1,922	0	943	664	70.41%	2.89458	0	0	0	0	0	943	1,922	0	1,922	Gila Bend
Gila River*	2,994	2,984	10	835	748	89.58%	3.98930	0	0	0	0	0	835	2,984	10	2,994	Gila River*
Gilbert	208,453	208,149	304	74,907	69,372	92.61%	3.00048	1,339	6	0	0	0	76,240	212,565	304	212,869	Gilbert
Glendale	226,721	223,464	3,257	90,505	79,114	87.41%	2.82458	128	4	0	0	306	90,629	223,829	3,563	227,392	Glendale
Goodyear	65,275	61,447	3,828	25,027	21,491	85.87%	2.85920	614	1	0	0	4	25,640	63,241	3,832	67,073	Goodyear
Guadalupe	5,523	5,508	15	1,376	1,292	93.90%	4.26316	68	0	0	0	0	1,444	5,833	15	5,848	Guadalupe
Litchfield Park	5,476	5,439	37	2,716	2,263	83.32%	2.40345	17	0	0	0	0	2,733	5,480	37	5,517	Litchfield Park
Mesa	439,041	435,503	3,538	201,173	165,374	82.20%	2.63344	609	6	191	244	0	201,967	437,350	3,538	440,888	Mesa
Paradise Valley	12,820	12,789	31	5,643	4,860	86.12%	2.63148	49	0	0	0	0	5,692	12,921	31	12,952	Paradise Valley
Peoria*	154,058	152,831	1,227	64,814	57,454	88.64%	2.66006	530	4	0	0	0	65,340	154,310	1,227	155,537	Peoria*
Phoenix	1,445,632	1,423,894	21,738	590,149	514,806	87.23%	2.76588	2,124	147	1	3	-194	592,127	1,429,584	21,544	1,451,128	Phoenix
Queen Creek*	25,912	25,896	16	8,394	7,569	90.17%	3.42132	202	0	0	0	0	8,596	26,639	16	26,655	Queen Creek*
Salt River	6,289	6,284	5	2,607	2,198	84.31%	2.85896	16	0	0	0	0	2,623	6,330	5	6,335	Salt River
Scottsdale	217,385	216,226	1,159	124,001	101,273	81.67%	2.13508	261	18	0	0	0	124,244	216,731	1,159	217,890	Scottsdale
Surprise	117,517	117,243	274	52,586	43,272	82.29%	2.70944	289	16	0	0	0	52,859	117,969	274	118,243	Surprise
Tempe	161,719	151,531	10,188	73,462	66,000	89.84%	2.29592	289	11	0	0	0	73,740	152,215	10,188	162,403	Tempe
Tolleson	6,545	6,545	0	2,169	1,959	90.32%	3.34099	0	1	0	0	0	2,168	6,541	0	6,541	Tolleson
Wickenburg	6,363	6,174	189	3,617	2,909	80.43%	2.12238	7	0	0	0	0	3,624	6,188	189	6,377	Wickenburg
Youngtown	6,156	5,953	203	2,831	2,470	87.25%	2.41012	0	0	0	0	0	2,831	5,953	203	6,156	Youngtown
Balance of County	274,150	273,034	1,116	141,988	117,709	82.90%	2.31957	333	2	-195	-254	0	142,124	273,490	1,116	274,606	Balance of County
Total	3,817,117	3,763,940	53,177	1,639,279	1,411,583	86.11%	2.66647	8,113	231	0	0	-15	1,647,161	3,786,838	53,162	3,840,000	Total

Note: These figures are preliminary and subject to change. Totals may not add due to rounding

* Maricopa County portion only.

Sources: U.S. Census Bureau, Arizona State Demographer's Office, Maricopa Association of Governments

Prepared by the Maricopa Association of Governments, October 2011

Methodology for Preparing July 1, 2011 Municipality Population Updates

1. Prepare Census Data

Using the Census 2010 as the Base, determine the April 1, 2010 household population, group quarter population, total housing units, occupied housing units, occupancy rates and population per occupied unit for total units for each jurisdiction.

2. Collect New Data

Obtain the residential housing unit completions and demolitions for the time period from April 1, 2010 through June 30, 2011 from the MAG member agencies.

Obtain annexed and de-annexed housing unit data from member agencies. Determine population change from annexations/de-annexations using persons per household and occupancy rates from the Census 2010 blocks intersecting each annexed/de-annexed area.

Obtain July 1, 2011 group quarters population from survey of MAG member agencies.

3. Calculate July 1, 2011 Housing Units

Calculate the July 1, 2011 housing stock by municipality by adding the net housing units (completions minus demolitions) and the net housing units annexed from step 2 above to the Census base.

4. Calculate July 1, Resident Population

Calculate household population using the Housing Unit Method (HUM) by multiplying the housing stock of non-annexed units from step 3 times the respective occupancy rates and persons per occupied unit by municipality and adding this to the annexed population for each municipality.

The occupancy rate and persons per occupied unit by municipality were taken from Census 2010 to calculate the new household population.

Bench the residential population in households to the county control total for population in households from Arizona State Demographer's Office (SDO) to obtain July 1, 2011 population in households. Benching is necessary when the MAG derived total population does not match the control total obtained from SDO. MAG benches its numbers by municipality by proportionately distributing the difference based on the change from the base Census population.

Calculate the total resident population for July 1, 2011 by adding the July 1, 2011 group quarter population from step 2 to the July 1 2011 household population.

Methodology for generating 2000 - 2010 Intercensal estimates

November 1 2011—MAG POPTAC

State Demographer's Office (SDO) intercensal estimate method

1) Prepare postcensal series

Collect the published place-level annual population updates from July 2000 to July 2010 into a single series; this will hereafter be referred to as the *postcensal* estimates series.

2) Initial adjustment: 2000 - 2004

For each place, adjust the postcensal estimates for July 2000 to July 2004 to conform to the Census 2000 and Special Census Survey 2005 population counts. Perform the adjustment using the *Das Gupta* method:

$$P_t = Q_t * (P_{3652} / Q_{3652})^{t/3652}$$

where:

t = time (number of days) since previous census

P_t = intercensal estimate at time t

Q_t = postcensal estimate at time t

P₃₆₅₂ = population count from most recent Census (e.g. 2010)

Q₃₆₅₂ = postcensal estimate for time of most current Census

The Das Gupta method performs the adjustment by multiplying the postcensal estimate for each year by a ratio of the postcensal estimate in the final estimate period and the population count for that period; this ratio is weighted over time so that there are larger adjustments as time increases.

3) Secondary adjustment: 2000 - 2010

Create a new series by combining the adjusted estimates for July 2000 – July 2005 from Step 2 with the postcensal estimates for July 2005 to April 2010. Adjust the entire series to conform to Census 2000 and Census 2010 population counts using the Das Gupta method.

4) Apply controls

Bench the place-level estimates so their sum matches Maricopa County intercensal total. The Maricopa County total is in turn benched to State intercensal estimates.

MAG intercensal estimate method

1) Generate forward postcensal estimates

For each place, generate a *forward postcensal estimate* series based on a simplified housing unit method using assumptions from Census 2000. For each intercensal year, obtain an estimate by multiplying the people per dwelling unit in 2000 by the total housing stock in that year. The housing stock is obtained by adding the total residential completions since April 2000 to the Census 2000 total housing unit count.

2) Generate backward postcensal series

For each place, generate a *backward postcensal estimate* series based on a simplified housing unit method using assumptions from Census 2010. For each intercensal year, obtain an estimate by multiplying the people per dwelling unit in 2010 by the total housing stock in that year. The housing stock is obtained incrementally by subtracting the number of residential completions in the current year from the housing stock in the following year.

3) Adjust forward estimates

Adjust the forward postcensal estimates to conform to Census 2000 and 2010 population counts using the Das Gupta method. The adjustments will be larger for estimates in years closer to April 1, 2010.

4) Adjust backward estimates

Adjust the backward postcensal estimates to conform to Census 2000 and 2010 population counts using an inverted Das Gupta method:

$$B_t = R_t * (P_{3652} / R_{3652})^{(3652 - t)/3652}$$

where:

t = time (number of days) since previous census

B_t = backward intercensal estimate at time t

R_t = backward postcensal estimate at time t

P₃₆₅₂ = population count from most recent Census (e.g. 2010)

R₃₆₅₂ = backward postcensal estimate for time of most current Census

The inverted Das Gupta is virtually the same as the standard method with the exception that larger adjustments are made at the beginning of the series while the estimates towards the end of the series are adjusted less.

5) Merge forward and backward estimates

Combine the adjusted estimates from Steps 3 and 4 using a temporally weighted average:

$$P_t = (F_t * ((3652 - t) / t)) + (B_t * (t / 3652))$$

where:

t = time (number of days) since previous census

P_t = intercensal estimates at time t

F_t = forward intercensal estimate at time t

B_t = backward intercensal estimate at time t

Estimates in years closer to 2000 will have a greater contribution from the forward series while estimates in years closer to 2010 will have a greater contribution from the backward series.

6) Apply Controls

Bench the results from Step 5 so that the place-level sum matches the Census Bureau intercensal estimates for Maricopa County.

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State Demographers's Office (SDO) intercensal estimates (DRAFT)

	April 2000	July 2000	July 2001	July 2002	July 2003	July 2004	July 2005	July 2006	July 2007	July 2008	July 2009	April 2010
Maricopa County	3,072,149	3,092,927	3,173,219	3,261,203	3,353,875	3,466,592	3,577,074	3,663,915	3,753,413	3,808,829	3,821,136	3,817,117
Apache Junction (part)	273	275	277	279	280	282	285	286	289	291	293	294
Avondale	35,883	36,400	40,465	47,638	54,225	60,480	66,373	69,382	71,797	72,613	72,360	76,238
Buckeye	6,537	6,697	10,982	12,630	14,139	16,110	23,685	31,290	39,767	49,131	51,560	50,876
Carefree	2,927	2,959	3,063	3,090	3,140	3,202	3,355	3,415	3,433	3,442	3,393	3,363
Cave Creek	3,728	3,766	3,905	4,034	4,172	4,398	4,651	4,746	4,882	4,960	5,012	5,015
Chandler	176,581	178,398	185,511	191,785	205,026	215,705	225,187	230,029	234,607	236,658	236,371	236,123
El Mirage	7,609	8,405	12,053	21,070	26,303	29,498	31,154	31,629	32,396	32,280	32,076	31,797
Fountain Hills	20,235	20,465	21,058	21,489	21,784	22,048	22,547	22,788	22,932	22,984	22,736	22,489
Gila Bend	1,980	1,979	1,945	1,915	1,881	1,847	1,826	1,838	1,918	1,929	1,933	1,922
Gilbert	109,697	111,250	120,447	129,864	145,758	156,412	166,919	179,602	196,602	206,264	207,783	208,453
Glendale	218,812	219,392	223,748	225,206	227,712	229,501	231,126	230,455	230,643	230,658	229,241	226,721
Goodyear	18,911	19,700	23,373	27,881	32,370	38,906	45,664	49,894	56,141	59,631	62,129	65,275
Guadalupe	5,228	5,226	5,209	5,286	5,281	5,318	5,346	5,316	5,307	5,625	5,592	5,523
Litchfield Park	3,810	3,832	3,906	3,959	4,038	4,142	4,563	5,102	5,307	5,380	5,445	5,476
Mesa	396,375	400,491	410,487	420,776	425,293	434,952	436,945	438,232	440,670	441,523	440,627	439,041
Paradise Valley	13,664	13,643	13,504	13,346	13,167	13,040	12,863	12,830	12,838	12,856	12,885	12,820
Peoria (part)	108,363	109,923	116,693	121,663	125,289	130,618	135,060	142,495	148,255	151,644	154,204	154,058
Phoenix	1,321,045	1,324,016	1,334,195	1,345,980	1,361,441	1,381,217	1,408,069	1,428,315	1,446,686	1,455,028	1,455,175	1,445,632
Queen Creek (part)	4,197	4,300	4,820	5,433	7,398	11,262	15,425	18,459	21,742	23,789	25,471	25,912
Scottsdale	202,705	204,060	209,237	212,699	215,969	218,984	221,030	220,907	221,031	220,410	218,888	217,385
Surprise	30,848	32,667	39,628	47,739	56,259	71,328	89,488	102,901	110,741	115,626	117,230	117,517
Tempe	158,625	158,671	158,645	157,956	157,722	158,421	157,711	156,271	156,522	159,336	159,762	161,719
Tolleson	4,974	5,030	5,219	5,375	5,939	6,140	6,332	6,325	6,444	6,556	6,608	6,545
Wickenburg	5,082	5,068	5,128	5,244	5,318	5,467	5,911	6,243	6,325	6,376	6,375	6,363
Youngtown	3,010	3,064	3,444	3,857	4,618	5,360	5,872	6,142	6,121	6,272	6,232	6,156
<i>Balance of County</i>	<i>211,050</i>	<i>213,250</i>	<i>216,276</i>	<i>225,010</i>	<i>229,352</i>	<i>241,955</i>	<i>249,690</i>	<i>259,023</i>	<i>270,015</i>	<i>277,568</i>	<i>281,756</i>	<i>284,404</i>

MAG intercensal estimates (DRAFT)

Controlled to Census Bureau intercensal estimates for Maricopa County

	April 2000	July 2000	July 2001	July 2002	July 2003	July 2004	July 2005	July 2006	July 2007	July 2008	July 2009	April 2010
Maricopa County	3,072,415	3,092,197	3,175,989	3,255,388	3,328,468	3,417,860	3,538,988	3,642,884	3,711,954	3,771,061	3,803,779	3,817,117
Apache Junction (part)	273	273	276	277	278	281	285	288	289	291	293	294
Avondale	35,886	36,354	42,319	49,260	53,855	58,393	64,957	68,332	70,250	73,044	73,416	76,238
Buckeye	6,538	6,677	7,072	8,212	8,977	10,561	16,169	24,106	32,192	42,394	47,534	50,876
Carefree	2,927	2,958	3,063	3,103	3,121	3,164	3,298	3,402	3,417	3,416	3,387	3,363
Cave Creek	3,728	3,761	3,890	4,006	4,126	4,325	4,578	4,711	4,821	4,916	4,995	5,015
Chandler	176,596	178,755	188,924	198,425	206,840	215,880	226,578	232,035	234,721	236,379	236,340	236,123
El Mirage	7,610	8,432	12,191	17,677	21,958	23,894	25,543	26,924	28,458	29,567	30,786	31,797
Fountain Hills	20,237	20,449	20,961	21,281	21,365	21,460	21,900	22,378	22,537	22,670	22,625	22,489
Gila Bend	1,980	1,986	1,985	1,970	1,959	1,951	1,966	1,975	1,956	1,947	1,934	1,922
Gilbert	109,706	111,527	122,059	133,556	143,821	154,299	167,497	178,015	191,206	200,314	204,821	208,453
Glendale	218,831	219,188	223,048	223,965	225,538	226,223	228,580	229,104	228,692	229,195	227,958	226,721
Goodyear	18,913	19,741	23,660	28,263	32,814	38,231	44,586	49,873	56,025	59,540	63,904	65,275
Guadalupe	5,228	5,219	5,194	5,254	5,215	5,238	5,278	5,273	5,252	5,562	5,555	5,523
Litchfield Park	3,810	3,825	3,881	3,907	3,958	4,052	4,473	5,054	5,208	5,298	5,404	5,476
Mesa	396,409	400,744	411,522	419,683	424,011	429,942	435,650	438,819	438,962	440,132	439,780	439,041
Paradise Valley	13,665	13,654	13,583	13,476	13,329	13,262	13,225	13,158	13,023	12,965	12,963	12,820
Peoria (part)	108,372	109,904	116,688	121,761	125,263	130,180	135,045	142,680	146,909	150,038	153,128	154,058
Phoenix	1,321,159	1,323,325	1,332,783	1,342,261	1,351,747	1,365,637	1,394,692	1,421,750	1,433,286	1,443,187	1,448,623	1,445,632
Queen Creek (part)	4,197	4,292	4,787	5,362	7,386	11,151	15,104	18,126	20,941	22,765	24,897	25,912
Scottsdale	202,723	203,770	207,853	210,574	211,882	213,969	216,477	218,081	218,023	218,382	218,004	217,385
Surprise	30,851	32,620	39,353	46,013	54,133	66,345	82,034	96,127	103,557	109,780	114,270	117,517
Tempe	158,639	158,597	158,460	157,370	156,404	156,828	157,380	157,183	157,652	159,348	160,622	161,719
Tolleson	4,974	4,998	5,067	5,088	5,835	5,873	5,947	6,022	6,178	6,355	6,502	6,545
Wickenburg	5,082	5,106	5,221	5,341	5,439	5,637	5,801	5,994	6,105	6,232	6,314	6,363
Youngtown	3,010	3,030	3,273	3,469	3,553	4,186	5,120	5,575	5,706	5,867	6,034	6,156
Balance of County	211,068	213,012	218,874	225,835	235,661	246,899	256,826	267,902	276,588	281,479	283,690	284,404

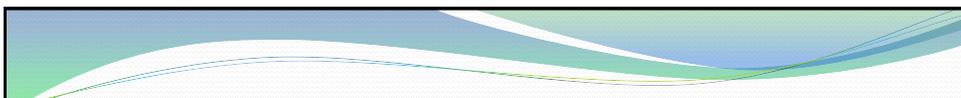
Note: slight change in April 2000 population for Maricopa County due to Census using Count Resolution Program count:

DRAFT		
MAG POPTAC Timeline		
From October 2011 to April 2012		
MAG Due Date	Member Agency Due Date	Activity
	Submit when the latest Plan or update is complete.	Submit General Plans for 60 day review.
	Submit when Amendment is ready for review.	Submit Major General Plan Amendments for 60 day review.
Ongoing	Ongoing	Submit Minor General Plan Amendments, Area Plans and Development Master Plans/Community Master Plans and Amendments.
Ongoing	Ongoing	Submit Planned Area Developments/Planned Community Developments/Planned Residential Developments/Unit Planned Development/Final Plats and Reports.
Ongoing	Ongoing	Submit copy of C404 Form to MAG.
Ongoing	Ongoing	Submit Annexations to MAG as they occur.
	October, 2011	Submit Q3 residential completions to MAG.
October, 2011	November, 2011	Review 2010 Existing Land Use database.
November/December, 2011		Review of County and Sub-county 2011 population updates dependent upon State Demographer's Office schedule.
January - February, 2012	February, 2012	Review MAG point databases including hotel/motels, major group quarters, RV parks/Mobile homes, and apartments.
	January, 2012	Submit Q4 residential completions to MAG.
January, 2012	February, 2012	MAG sends jurisdictions list of all land use documents received for calendar year 2011 for their review.
January, 2012	February, 2012	Review Municipal Planning Area boundaries.
January - March 2012	January - April 2012	Review of 2012 Socioeconomic Projection input data, buildout/capacity, and methods
February, 2012	March, 2012	MAG sends jurisdictions the draft 2010 General Plan and developments database for review.
March, 2012	April, 2012	MAG sends jurisdictions the 2011 draft Employer database for review.
	April, 2012	Submit Q1 residential completions to MAG.
April, 2012	April, 2012	MAG sends jurisdictions draft annexations between July 1, 2011 and March 31, 2012 for July 1 Arizona Department of Commerce population estimates. Jurisdictions verify and provide number of units.



General Plan 2030

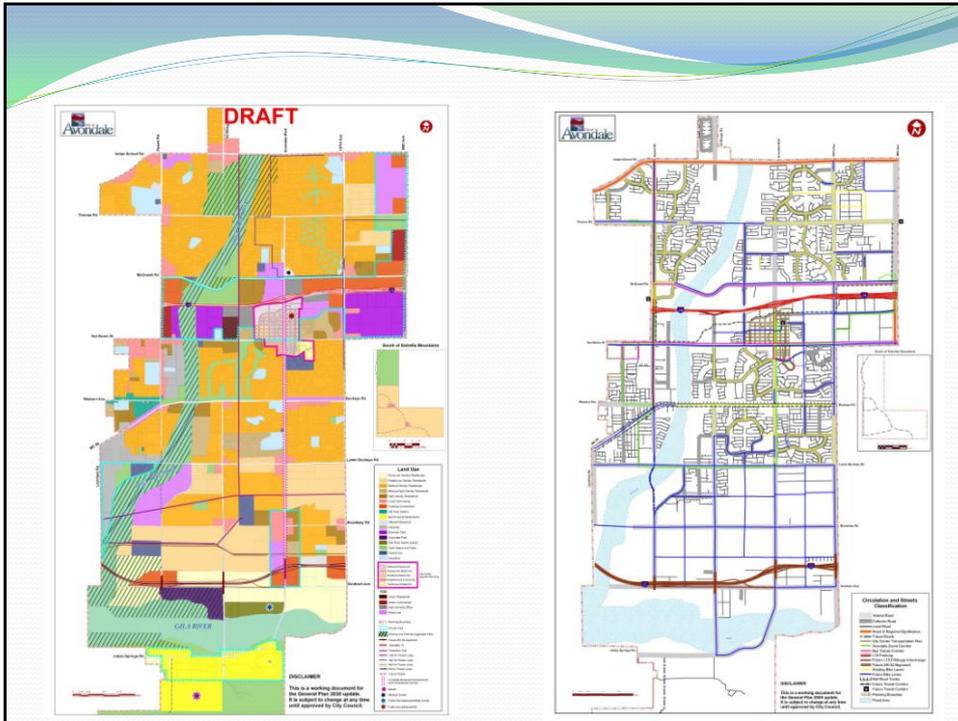
City of Avondale
October Public Draft



Land Use and Community Mobility Themes



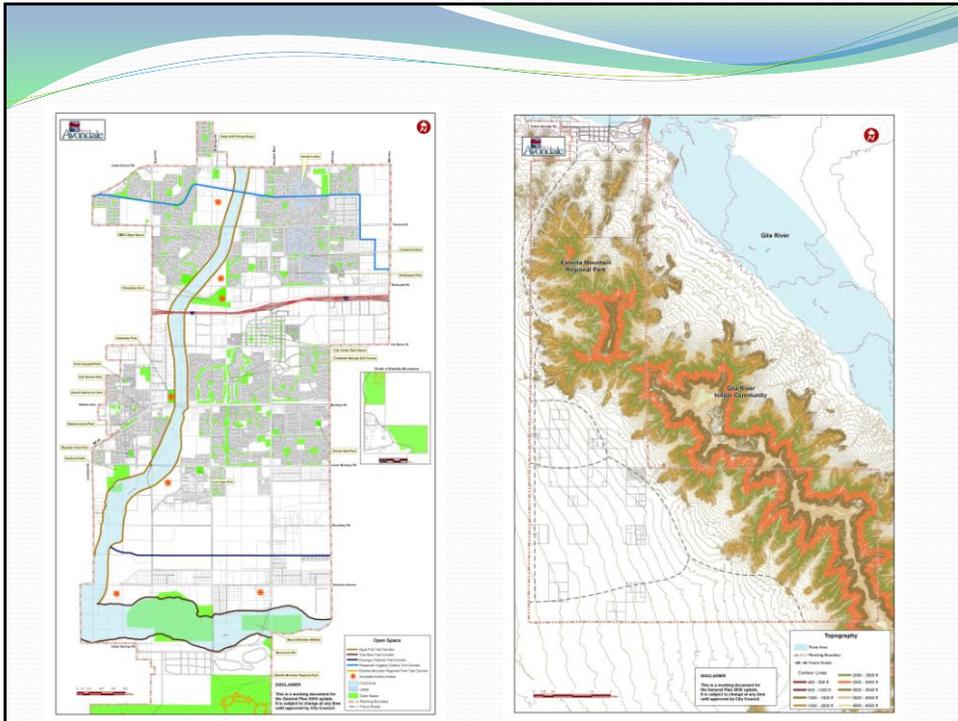
- Transit-Oriented Land Uses and Job-Centered Land Uses
 - High Intensity Office
 - Urban Commercial
 - Urban Residential
 - Mixed Use
 - Corporate Park
 - Business Park
 - Industrial
 - Office/Professional
- General Plan 2030 Planned Land Uses Table
- Land Use and Circulation and Streets Classification Maps
- Transit Oriented Development Element



Open Space and Sustainable Development Themes



- Maintaining the importance of open space to Avondale
- Developing an interconnected open space system through trails and non-motorized means of travel
- Sustainable environment as a key Avondale value
- New Energy Element

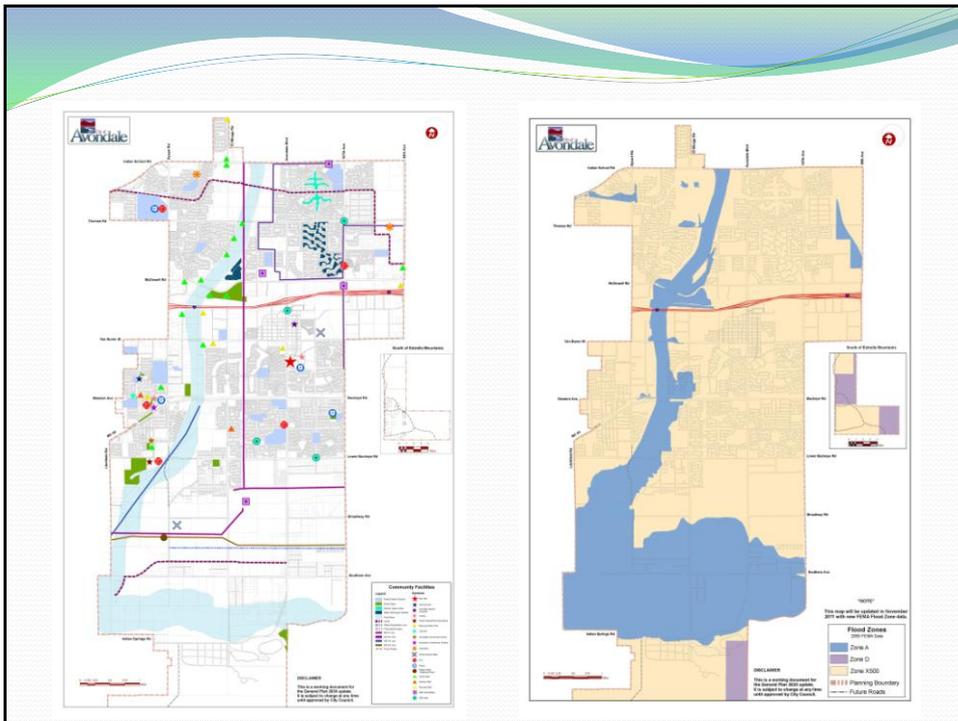


Community Facilities and Quality of Life Themes




- Ensuring infrastructure needs are adequately planned for and met
- Strong services and facilities will attract future residents and businesses
- Avondale values safety

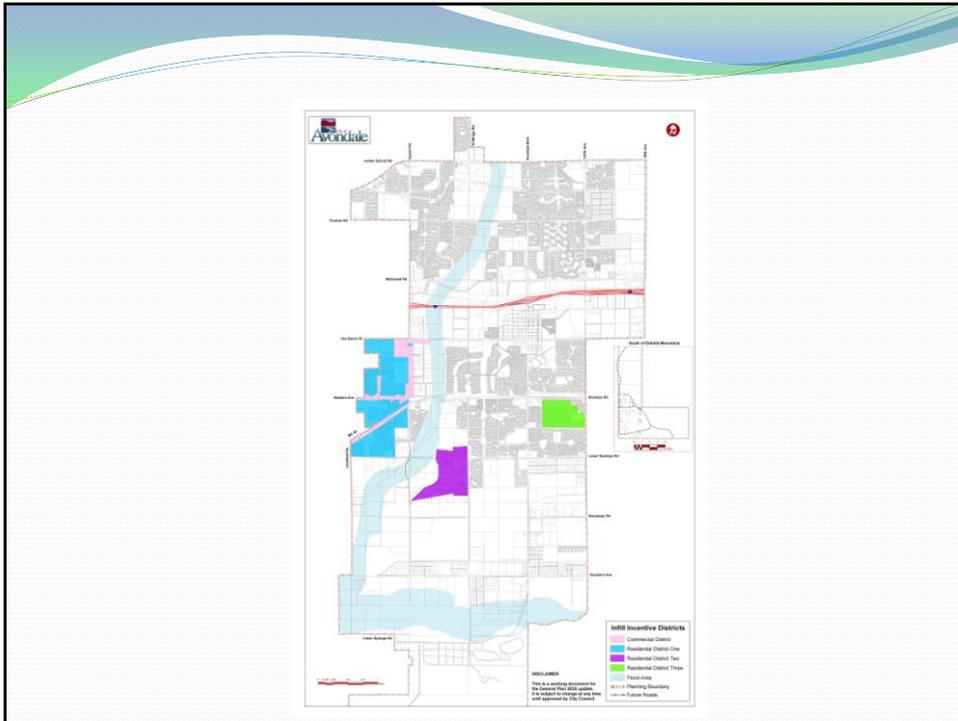
- Creating walkable environments that encourage outdoor activity
- Respecting art and heritage
- Providing for a public process that focuses on quantity
- Enhancing urban design



The slide features a title 'Neighborhoods and Economic Vitality Themes' centered in a blue serif font. To the left of the title is a photograph of a modern building with a glass facade and a sign that reads 'Sallie Krawcheck Institute'. To the right of the title is a photograph of a large, circular stadium or arena at night, illuminated with lights. Below the title and images is a list of seven bullet points, each preceded by a green circular marker.

Neighborhoods and Economic Vitality Themes

- Creating walkable, livable communities that provide housing close to jobs and services
- Attracting large lot development to the southern area of the City and providing a housing product that fits the community's needs for the long term
- Revitalization of existing neighborhoods through infill incentives with an emphasis on Old Town
- Focusing Economic Development within our Growth Areas.
- Maintaining a strong sales tax base
- Ensuring development pays its fair share



Public Participation

- City Advisory Committees
- Citywide Survey
- Community Outreach Video
- Flyers/Brochures
- Joint MCC/PC Work Session
- Periodic Updates to MCC/PC
- Community Meetings – 8
- Tres Rios Nature Festival
- Eco Avenues Event
- Resident Appreciation Night
- Property Owner Meetings
- Mayor’s “City Hall Comes to You”
- HOA Summit & Care 1st
- Faith Initiatives Round Table
- Boards and Commissions
- Channel 11
- Press Releases
- Web Site
- Facebook
- Twitter
- Newsletter

Remaining Schedule

- Final draft for 60-day agency review 10/05/11 - 01/05/12
- Community Meeting #8 01/31/12
- 1st Planning Commission public hearing 02/23/12
- 2nd Planning Commission public hearing 03/15/12
- City Council public hearing for adoption 04/02/12
- Election ballot preparation deadline 05/15/12
- Citywide vote for ratification 08/28/12

Questions

www.avondale.org/generalplan