

October 22, 2013

TO: Members of the MAG POPTAC Ad Hoc Subcommittee

FROM: Patrick Banger, Chair

SUBJECT: TRANSMITTAL OF MEETING NOTICE AND TENTATIVE AGENDA

Tuesday, October 29, 2013 – 9:30 a.m.
MAG Office, Second Floor, Chaparral Room
302 North 1st Avenue, Phoenix

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

Members of the subcommittee may attend either in person or by telephone conference call. If you are attending via audio conference please contact Merry Holmgren at (602) 254-6300 at least one day prior to the meeting.

If you drive to the meeting, please park in the garage under the building and bring your ticket to the meeting; parking will be validated. For those using transit, the Regional Public Transportation Authority will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.

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 Merry Holmgren 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 4 people for the MAG POPTAC Ad Hoc Subcommittee. If you are unable to attend the meeting, please make arrangements for a proxy from your jurisdiction to represent you. If you have any questions or need additional information, please contact Scott Wilken at (602) 254-6300.

TENTATIVE AGENDA
MAG Population Technical Advisory Committee Ad Hoc Subcommittee
October 29, 2013

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 June 25, 2013.

4. MAG Annual Municipality Population Projections for July 1, 2013 through July 1, 2040.

Arizona Department of Administration (ADOA) is preparing the July 1, 2013 resident population updates for each county in the state. MAG has received a draft 2013 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 Ad Hoc Subcommittee is requested to recommend approval of these updates to the MAG Population

2. For information.

3. For information, discussion and approval of the minutes of June 25, 2013.

4. For information, discussion, and possible recommendation to the MAG POPTAC to approve the Draft July 1, 2013 Maricopa County and MAG Municipality Resident Population Updates, provided the Maricopa County control total is within one percent of the final control total.

Technical Advisory Committee provided the Maricopa County control total is within one percent of the final control total. Please see Attachment One.

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
POPULATION TECHNICAL ADVISORY COMMITTEE AD HOC SUBCOMMITTEE

June 25, 2013
MAG Offices, Chaparral Room
302 N. 1st Ave, Phoenix

MEMBERS IN ATTENDANCE

Patrick Banger, Gilbert, Chair
* David de la Torre, Chandler
Thomas Ritz, Glendale
* Matt Holm, Maricopa County

Wahid Alam, Mesa
Chris DePerro, Phoenix
*Adam Yaron, Scottsdale
*Lisa Collins, Tempe

**Those members neither present nor represented by proxy.
A - Participated via audioconference*

OTHERS IN ATTENDANCE

Merry Holmgren, MAG
Anubhav Bagley, MAG
Scott Bridwell, MAG
Jesse Ayers, MAG

Jami Garrison, MAG
Max Enterline, Phoenix

1. Call to Order

Chair Patrick Banger called the meeting to order at 9:36 a.m.

2. Call to the Audience

There were no requests from the audience to address the MAG POPTAC Ad Hoc Subcommittee.

3. Approval of Minutes of October 30, 2012

Thomas Ritz made a motion to approve the minutes of May 28, 2013. Wahid Alam seconded the motion, and the motion passed unanimously.

4. MAG Annual Municipality Population Projections for July 1, 2013 through July 1, 2040

Anubhav Bagley presented the MAG Annual Municipality Population Projections for July 1, 2013 to July 1, 2040. He said that at the last POPTAC meeting, the committee recommended approval of the projections by Municipal Planning Area (MPA) and Regional Analysis Zone (RAZ). He said those projections were approved by MAG Regional Council on June 19th. He said the final piece of the process, as required by the executive order, is to produce annual population projections by incorporated areas. He said that the annual projections were based on the approved projections, and he introduced Scott Bridwell to discuss the methodology.

Scott Bridwell gave an overview of the methodology used to produce the annual incorporated area projections. He outlined the four data sources used for the annual projections: the county-level annual control totals; the annual population updates for 2010, 2011, and 2012; the approved resident population projections for 2020, 2030, and 2040; and approved group quarters projections for 2020, 2030 and 2040. He said that the approved projections for 2020, 2030, and 2040 provide end points for each decade. He said that each municipality's share of the county growth was found for each of the decade end points and was held constant for the intervening years. He said that resident population and group quarters population projections were derived separately. He said that the municipality projections were then reconciled with the population updates from 2010, 2011, and 2012.

Thomas Ritz asked for a clarification on the methodology, pointing out that the adjustments were made to the 2013 to 2019 populations, rather than 2013 to 2020 since the 2020 population projections were already approved. Scott Bridwell confirmed that adjustments were made to the 2013 to 2019 populations, and that the methodology would be corrected to reflect this. Thomas Ritz asked if MAG transportation models had any use for doing projections for Census Designated Places. Anubhav Bagley said that the transportation models only use Traffic Analysis Zones (TAZ). He said that the TAZ level projection will be updated on an ongoing basis for the transportation model. He also clarified that the incorporated area boundary for this set of projections is held constant throughout the series.

Thomas Ritz asked if the annual projections were just for Maricopa County, and if Central Arizona Governments (CAG) would be producing similar data for Pinal County. Anubhav Bagley said that the county control totals are separate for the two counties, but that MAG is assisting CAG in producing the socioeconomic projections for Pinal County. He said that at the end of June, the CAG Regional Council adopted the Pinal County projections. He said that CAG will be working on creating the annual population projections for their member agencies.

Chris DePerro made a motion to recommend approval of the MAG Annual Municipality Population Projections for July 1, 2013 through July 1, 2040. Wahid Alam seconded the motion, and the motion passed unanimously.

The meeting adjourned at 9:48 am.

DRAFT
Jurisdiction Population Update
(Maricopa County)
Census 2010 and July 1, 2013

Jurisdiction	Total Population			Percent Change		Share	
	April 1, 2010 (Census 2010)	July 1, 2013	Change	Overall	Annual	Share of Growth	Share of County
Apache Junction*	294	297	3	1.0%	0.31%	0.0%	0.0%
Avondale	76,238	77,266	1,028	1.3%	0.41%	0.9%	2.0%
Buckeye	50,876	56,299	5,423	10.7%	3.17%	4.7%	1.4%
Carefree	3,363	3,413	50	1.5%	0.46%	0.0%	0.1%
Cave Creek	5,015	5,211	196	3.9%	1.19%	0.2%	0.1%
Chandler^	236,326	245,419	9,093	3.8%	1.17%	7.9%	6.2%
El Mirage	31,797	32,369	572	1.8%	0.55%	0.5%	0.8%
Fort McDowell	971	981	10	1.0%	0.32%	0.0%	0.0%
Fountain Hills	22,489	22,821	332	1.5%	0.45%	0.3%	0.6%
Gila Bend	1,922	1,941	19	1.0%	0.30%	0.0%	0.0%
Gila River*	2,994	3,028	34	1.1%	0.35%	0.0%	0.1%
Gilbert^	208,352	226,883	18,531	8.9%	2.66%	16.1%	5.8%
Glendale	226,721	230,388	3,667	1.6%	0.49%	3.2%	5.9%
Goodyear	65,275	72,060	6,785	10.4%	3.09%	5.9%	1.8%
Guadalupe	5,523	6,000	477	8.6%	2.58%	0.4%	0.2%
Litchfield Park	5,476	5,741	265	4.8%	1.46%	0.2%	0.1%
Mesa	439,041	448,897	9,856	2.2%	0.69%	8.5%	11.4%
Paradise Valley	12,820	13,240	420	3.3%	1.00%	0.4%	0.3%
Peoria*	154,058	160,041	5,983	3.9%	1.18%	5.2%	4.1%
Phoenix^	1,447,128	1,481,129	34,001	2.3%	0.72%	29.5%	37.7%
Queen Creek*	25,912	28,956	3,044	11.7%	3.48%	2.6%	0.7%
Salt River	6,289	6,478	189	3.0%	0.92%	0.2%	0.2%
Scottsdale	217,385	221,514	4,129	1.9%	0.58%	3.6%	5.6%
Surprise	117,517	121,245	3,728	3.2%	0.97%	3.2%	3.1%
Tempe	161,719	164,665	2,946	1.8%	0.56%	2.6%	4.2%
Tolleson	6,545	6,611	66	1.0%	0.31%	0.1%	0.2%
Wickenburg	6,363	6,490	127	2.0%	0.61%	0.1%	0.2%
Youngtown	6,156	6,217	61	1.0%	0.30%	0.1%	0.2%
Balance of County^	272,552	276,970	4,418	1.6%	0.50%	3.8%	7.0%
Total	3,817,117	3,932,570	115,453	3.0%	0.92%	100.0%	100.0%

Note: Totals may not add due to rounding

* Maricopa County portion only

^ Census 2010 counts adjusted to reflect Census Count Question Resolutions

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

Last updated October 22, 2013

See attached document for methodology

DRAFT
Municipality Population and Housing Unit Update
(Maricopa County)

April 1, 2010 and July 1, 2013
Maricopa Association of Governments

Jurisdiction	Census 2010 (April 1, 2010)							April 1, 2010 - June 30, 2013					July 1, 2012 Update		July 1, 2013 Update			Jurisdiction	
	Population			Housing Units		Occupancy Rate	Persons per Occupied Units	Residential Completions	Residential Demolitions	Annexed Housing Units	Annexed Household Population	Change in Group Quarters	Housing Units	Population	Total Housing Units	Population			
	Total	Household	Group Quarter	Total	Occupied											Household	Group Quarter		Total
Apache Junction*	294	294	0	293	210	71.67%	1.40000	0	0	0	0	0	293	296	293	297	0	297	Apache Junction*
Avondale	76,238	76,078	160	27,001	23,386	86.61%	3.25314	91	10	0	0	-26	27,075	76,870	27,082	77,132	134	77,266	Avondale
Buckeye	50,876	45,782	5,094	18,207	14,424	79.22%	3.17402	1,692	0	6	12	221	19,177	54,102	19,905	50,984	5,315	56,299	Buckeye
Carefree	3,363	3,316	47	2,251	1,654	73.48%	2.00484	10	0	0	0	0	2,255	3,388	2,261	3,366	47	3,413	Carefree
Cave Creek	5,015	5,015	0	2,579	2,150	83.37%	2.33256	71	3	1	0	0	2,609	5,110	2,648	5,211	0	5,211	Cave Creek
Chandler^	236,326	235,780	546	94,472	86,924	92.01%	2.71248	2,524	35	5	16	-13	95,755	241,214	96,966	244,886	533	245,419	Chandler^
El Mirage	31,797	31,784	13	11,326	9,416	83.14%	3.37553	82	1	0	0	0	11,355	32,067	11,407	32,356	13	32,369	El Mirage
Fort McDowell	971	971	0	308	283	91.88%	3.43110	0	0	0	0	0	308	976	308	981	0	981	Fort McDowell
Fountain Hills	22,489	22,307	182	13,167	10,339	78.52%	2.15756	50	0	0	0	0	13,207	22,695	13,217	22,639	182	22,821	Fountain Hills
Gila Bend	1,922	1,922	0	943	664	70.41%	2.89458	0	0	0	0	0	943	1,932	943	1,941	0	1,941	Gila Bend
Gila River*	2,994	2,984	10	835	748	89.58%	3.98930	1	0	0	0	0	835	3,010	836	3,018	10	3,028	Gila River*
Gilbert^	208,352	208,048	304	74,870	69,372	92.66%	2.99902	5,336	11	0	0	0	77,992	219,666	80,195	226,579	304	226,883	Gilbert^
Glendale	226,721	223,464	3,257	90,505	79,114	87.41%	2.82458	554	23	0	0	-63	90,764	229,008	91,036	227,194	3,194	230,388	Glendale
Goodyear	65,275	61,447	3,828	25,027	21,491	85.87%	2.85920	2,139	3	0	0	309	26,198	69,018	27,163	67,923	4,137	72,060	Goodyear
Guadalupe	5,523	5,508	15	1,376	1,292	93.90%	4.26316	79	0	0	0	0	1,448	5,943	1,455	5,985	15	6,000	Guadalupe
Litchfield Park	5,476	5,439	37	2,716	2,263	83.32%	2.40345	99	2	0	0	0	2,767	5,621	2,813	5,704	37	5,741	Litchfield Park
Mesa	439,041	435,503	3,538	201,173	165,374	82.20%	2.63344	1,976	29	371	492	61	202,582	444,856	203,491	445,298	3,599	448,897	Mesa
Paradise Valley	12,820	12,789	31	5,643	4,860	86.12%	2.63148	108	0	0	0	0	5,720	13,106	5,751	13,209	31	13,240	Paradise Valley
Peoria*	154,058	152,831	1,227	64,814	57,454	88.64%	2.66006	1,665	4	2	5	0	65,790	157,653	66,477	158,814	1,227	160,041	Peoria*
Phoenix^	1,447,128	1,425,390	21,738	590,612	514,806	87.16%	2.76879	6,478	418	4	15	2,836	594,190	1,466,223	596,676	1,456,555	24,574	1,481,129	Phoenix^
Queen Creek*	25,912	25,896	16	8,394	7,569	90.17%	3.42132	820	0	0	0	0	8,706	27,249	9,214	28,940	16	28,956	Queen Creek*
Salt River	6,289	6,284	5	2,607	2,198	84.31%	2.85896	45	0	0	0	0	2,648	6,437	2,652	6,473	5	6,478	Salt River
Scottsdale	217,385	216,226	1,159	124,001	101,273	81.67%	2.13508	1,029	45	0	0	20	124,545	219,713	124,985	220,335	1,179	221,514	Scottsdale
Surprise	117,517	117,243	274	52,586	43,272	82.29%	2.70944	1,048	25	0	0	0	53,102	119,530	53,609	120,971	274	121,245	Surprise
Tempe	161,719	151,531	10,188	73,462	66,000	89.84%	2.29592	1,075	15	0	0	-1,031	74,384	164,659	74,522	155,508	9,157	164,665	Tempe
Tolleson	6,545	6,545	0	2,169	1,959	90.32%	3.34099	1	1	0	0	0	2,169	6,579	2,169	6,611	0	6,611	Tolleson
Wickenburg	6,363	6,174	189	3,617	2,909	80.43%	2.12238	14	0	19	35	0	3,649	6,458	3,650	6,301	189	6,490	Wickenburg
Youngtown	6,156	5,953	203	2,831	2,470	87.25%	2.41012	0	0	0	0	0	2,831	6,188	2,831	6,014	203	6,217	Youngtown
Balance of County^	272,552	271,436	1,116	141,494	117,709	83.19%	2.30599	1,013	3	-408	-575	0	141,881	275,138	142,096	275,854	1,116	276,970	Balance of County^
Total	3,817,117	3,763,940	53,177	1,639,279	1,411,583	86.11%	2.66647	28,000	628	0	0	2,314	1,655,178	3,884,705	1,666,651	3,877,079	55,491	3,932,570	Total

Note: Totals may not add due to rounding

* Maricopa County portion only

^ Census 2010 counts adjusted to reflect Census Count Question Resolutions

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

Last updated October 22, 2013

See attached document for methodology

Methodology for Preparing July 1, 2013 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. Adjust the original census counts to reflect results of the Census Count Question Resolution (CQR) Program.

2. Collect New Data

Obtain the residential housing unit completions and demolitions for the time period from June 1, 2012 through June 30, 2013 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, 2013 group quarters population from survey of MAG member agencies. Subtract the July 1, 2010 group quarter count from the July 1, 2013 to obtain the change in group quarter population.

3. Calculate July 1, 2013 Housing Units

Calculate the July 1, 2013 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 changes in the household population using the Housing Unit Method (HUM) by multiplying the new 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.

Calculate the total household population by adding the change in household population to the estimated household population for the previous year.

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, 2013 population in households. Benching is necessary when the MAG derived total population does not match the control total obtained from SDO. The household population difference is distributed proportional to the pre-beneched household population results for July 1, 2013.

Calculate the total resident population for July 1, 2013 by adding the July 1, 2013 group quarter population from step 2 to the July 1, 2013 household population.