

September 11, 2014

TO: Members of the MAG Building Codes Committee

FROM: Mary Dickson, El Mirage, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday, **September 17, 2014** - 2:00 pm
MAG Office, Second Floor, Ironwood Room
302 North 1st Avenue, Phoenix

A meeting of the MAG Building Codes Committee (BCC) has been scheduled for the time and place noted above. Members of the MAG Building Codes Committee may attend in person, by videoconference or by telephone conference call. Those attending by telephone conference call must make arrangements with Merry Holmgren at MAG 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 Scott Wilken at the MAG office. Requests should be made as early as possible to allow time to arrange for accommodation.

Please be advised that under procedures approved by the MAG Regional Council on June 26, 1996, all MAG committees must have a quorum to conduct business. A quorum is a simple majority of the membership, or 12 people for the MAG Building Codes Committee. If you are unable to attend the meeting, please send a proxy from your jurisdiction or agency to represent you.

If you have any questions or require additional information, please contact Scott Wilken at (602) 254-6300 or swilken@azmag.gov.

TENTATIVE AGENDA
MAG Building Codes Committee Meeting
September 17, 2014

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| 1. <u>Call to Order</u> | 2. For information. |
| 2. <u>Introductions</u> | 3. Review and approve the minutes of the August 20, 2014 meeting. |
| 3. <u>August 20, 2014 Meeting Minutes</u> | 4. For information and discussion. |
| 4. <u>Call to the Audience</u>

Members of the public may request to speak on items that fall under the jurisdiction of the MAG Building Codes Committee (BCC) and are not scheduled on the agenda; or, on items on the agenda for discussion but not for action. A total of 15 minutes will be provided for the Call to the Audience, with a limit of three minutes per speaker, unless the Chair requests an exception to this limit. Those requesting to comment on action agenda items may be provided an opportunity to do so at the time the agenda item is heard. | 5. For information and discussion. |
| 5. <u>Comments From the Committee</u>

An opportunity will be provided for Building Codes Committee members to present a brief summary of current events. The Building Codes Committee is not allowed to propose, discuss, deliberate or take action at the meeting on any matter in the summary, unless the specific matter is properly noticed in accordance with the Arizona Open Meeting Law. | 6. For information and discussion. |
| 6. <u>Report on AZBO Code Review and Development Committee</u>

The Arizona Building Officials (AZBO) Code Review and Development Committee met August 28, 2014. A report on the committee plans will be provided. | |

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|--|---|
| <p>7. <u>Solar Ready II Update</u></p> <p>An update on the Solar Ready II project will be provided. Potential best management practices pursued by the project, including pre-qualification of solar installers and an optional solar ready construction checklist, will be discussed. Please see Attachments One and Two.</p> | <p>7. For information, discussion, and possible action.</p> |
| <p>8. <u>Code Implications of Assembly Uses in Shopping Centers</u></p> <p>A discussion of issues related to Assembly occupancies moving into spaces designed for Business and Mercantile, and unique aspects of applicants who say they do not need to do any construction, for both sprinklered and unsprinklered buildings. Code officials do not want to discourage these applicants, but must address possible issues with this type of change in use. Calculations and examples will be shown.</p> | <p>8. For information and discussion.</p> |
| <p>9. <u>Updated MAG Building Codes Committee Membership</u></p> <p>We are requesting that Committee members review Attachment Three, Committee Roster, sent with this agenda. Please forward any changes to Scott Wilken prior to the meeting or provide them at the meeting.</p> | <p>9. For information and discussion.</p> |
| <p>10. <u>Update Survey of Code Adoption</u></p> <p>Attachment Four identifies the codes that member agencies have adopted. Please review this information and provide any updates to Scott Wilken.</p> | <p>10. For information and discussion.</p> |
| <p>11. <u>Topics for Future Agendas</u></p> <p>Potential topics for the next meeting will be discussed. Please share any items of discussion or presentations that you would be interested in hearing about at future meetings.</p> <p>The next meeting is scheduled for Wednesday October 15, 2014 at 2:00 p.m. in the MAG Ironwood Room.</p> | <p>11. For information and discussion.</p> |
| <p>12. <u>Adjournment</u></p> | <p>12.</p> |

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
BUILDING CODES COMMITTEE

August 20, 2014

Maricopa Association of Governments Office
302 N. 1st Ave
Ironwood Room
Phoenix, AZ

COMMITTEE MEMBERS

Mary Dickson, El Mirage, Chair
Larry Taylor, Gilbert, Vice Chair
Brett Harris, Avondale
Phil Marcotte, Buckeye
*Mike Tibbett, Carefree
*Mike Baxley, Cave Creek
*Ron Boose, Chandler
*Jason Field, Fountain Hills
Tom Paradise, Glendale
David Whittaker for Ed Kulik, Goodyear
*Chuck Ransom, Litchfield Park
Robert Goodhue, Maricopa
Tom Ewers, Maricopa County

Donna Canale for Steven Hether, Mesa
*Bob Lee, Paradise Valley
A-Cheryl Mullis for Dennis Chase, Peoria
Michael Abegg, Phoenix
*Michael Williams, Queen Creek
*Michael Clack, Scottsdale
*Brigham Bennett, Surprise
A-Martin Perez, Tempe
Dale Crandell, Tolleson
*Kevin Bruce, Wickenburg
Gregory Arrington, Youngtown
*Jackson Moll, Home Builders Association
*Sharon Bonesteel, Salt River Project

OTHERS IN ATTENDANCE

Scott Wilken, MAG
Merry Holmgren, MAG
Gary Golka, Independent Electrical
Contractors
A-Fredric Zwerg, Southwest Gas
Brad Mecham, Sunrise Engineering
A-Roger Vermillion, Tempe
David Sanchez, Phoenix

Jake Hinman, Multi-Housing Association
John Bradley, Bradley Electric
Shawn Hutchinson, Phoenix Electrical
Apprenticeship
Bob Swier, RDS Electric
Mike Ornoski, Phoenix
Chris Baggett, APS
Nancy Levey, IECA

*Those members neither present nor
represented by proxy.

A-Those members participating via
audioconference

1. Call to Order

Mary Dickson, Chair, called to order the August 20, 2014 meeting of the MAG Building Codes Committee (BCC) at 2:00 p.m.

2. Introductions

Voting members Martin Perez and Cheryl Mullis attended via telephone conference call. In addition, Fredric Zwerg and Roger Vermillion attended the meeting via telephone conference call as members of the audience. All members and guests introduced themselves.

3. June 18, 2014 Meeting Minutes

Tom Ewers made a motion to approve the June 18, 2014 minutes. Larry Taylor seconded the motion, and the motion passed unanimously.

4. Call to the Audience

There were no comments from the audience.

5. Comments From the Committee

Mary Dickson reminded the committee about the Arizona Building Officials (AZBO) Fall Education Institute will be October 20-24 in Prescott.

Scott Wilken asked the committee members if anyone knew of water companies implementing smart water metering. Mary Dickson said that El Mirage uses smart water metering. Tom Paradise said that apartment complexes have asked for something like that, but the city is not moving in that direction at this time.

Michael Abegg talked about Certified Building Official Training that was held by the City of Phoenix, Salt River Project (SRP) and AZBO. He also said that the city has seen interest in using shipping containers as building materials, and asked if any other jurisdictions have seen that. Larry Taylor said that it is specifically Mobile Mini containers, and they say that only Gilbert and Tucson regulate and permit them. Tom Ewers said that Maricopa County regulates storage containers used as office buildings, and tell the applicant to get either approval from the state department of manufactured housing or submit building plans. Gregory Arrington said that Youngtown requires the same thing. Michael Abegg said that they have been told that they're alone in regulating this, but that's clearly not the case. Donna Canale said that she has explained to applicants that they have to put a slab under the container, show insulation, put all the electrical and mechanical, show how the roof drains, and explains that the container has taken the place of the studs only. She said that most end up not pursuing the container as building material at that point. Michael Abegg said that most are trying to save costs by using a container, but he hasn't seen it work in this area.

6. Multi-Family Construction

Michael Abegg gave a presentation on common problems seen with multi-family housing building plan submittals. He discussed issues related to height modifications and fire sprinklers,

area modifications, single occupancy and mixed occupancy buildings, podium buildings, fire resistance for building elements, definition of a column, fire resistance rating of structural members, column protection, protection of secondary members, rated wall assemblies, means of egress, and structural design related to shrinkage. Tom Ewers said that Maricopa County hasn't seen very much multi-family housing construction in more than a decade. Michael Abegg asked who was seeing a lot of multi-family submittals. Mesa, Gilbert, Glendale, Tempe, and Scottsdale were indicated to be jurisdictions seeing a lot of multi-family construction. Donna Canale discussed Mesa's policy regarding triplexes and row house-type construction, with firewalls in between each unit, and whether or not each unit needed sprinklers. Michael Abegg said that Phoenix has seen row houses constructed with a single unit with exterior walls placed right next to another single unit with exterior walls. He said that the International Residential Code (IRC) would require sprinklers for each unit, but there is a state law that prohibits a jurisdiction from requiring a builder from installing sprinklers in a dwelling, defined as a one or two unit building. He said Phoenix considers those single-family detached or duplexes, but if a third unit is added each is required to have sprinklers. He said that if firewalls are put in between the units, it becomes an R3 construction, and has to be detailed per the International Building Code (IBC). He said that if it is a one or two unit dwelling, it is not required to have sprinklers. Donna Canale said that is how Mesa ruled the question, as well. Michael Abegg discussed shrinkage with wood frame construction on taller buildings, and recommended woodworks.org as a good resource for designing wood frame construction for five story buildings.

Tom Paradise asked about reactions of developers to these various code rulings and interpretations in Phoenix. He asked if they are willingly accepting the decisions or if there is pushback, and if the design engineers are aware of these issues. Michael Abegg said that most customers simply want to know what the requirement is, and would like consistency across jurisdictions. He said that it is hard on designers who design to a certain standard and go to a different jurisdiction and find a different standard. Tom Paradise said that sometimes they see plans that are above and beyond the minimum standard required by the code, but they do not tell the applicant that the plans could be designed a cheaper way and still comply with the code.

7. Solar Ready II

Scott Wilken introduced a discussion on the MAG Solar Ready II project. He said that one of the Best Management Practices (BMP) being discussed for the project is the creation of a pre-qualified solar installers list. He introduced Mike Ornoski and David Sanchez to discuss some ideas for this BMP. David Sanchez said that he looked into online training for solar installation. He said that they have seen people from a variety of different disciplines installing solar equipment, including electricians and roofers. He said he looked at the National Fire Protection Association (NFPA) to see what kind of certifications they have, as well as the International Association of Electrical Inspectors (IAEI) online training. He said that there is interest from the IAEI. Mike Ornoski said that they have reached out the local apprenticeships, but they, like everyone else, are still trying to understand all the issues with this fast growing and fast changing technology. He said that the codes and certifications are having a hard time keeping up with the changes in the solar industry. He said the issue is that the only solar-related certifications seem to be on the electrical side only, and don't address the structural issues. He said that the Registrar of Contractors is running into the same problem, and that they don't have any kind of solar installation license. David Sanchez said that previously most of these systems were 600 volts or less, but now the industry is moving toward systems as much as 1000 volts, which will create new issues for installations. He said these larger systems will require much

more expertise in the installers. Mike Ornoski said that some common issues are requiring multiple municipal inspections, which could be eliminated if there were a baseline established.

Tom Paradise asked what the end goal of this BMP is. He asked if the proposal is only certified contractors would be allowed to install solar, or if an applicant has certified installers they can get a faster permit, or something else. Scott Wilken said that is part of the question at hand, but those are some of the options. Mike Ornoski said that part of the problem Phoenix is having is that their residential inspectors cannot go on the roof to inspect the installations. He said that if contractors are on the certified list, at least the inspectors will know that they have qualified people doing the rooftop installation. He said that another possibility is adding solar inspection to the Special Inspection program, so that municipal inspectors don't need to go on the roof at all. Robert Goodhue spoke about supporting the idea of using the Special Inspection process. He said that it sounds like presently the local jurisdictions are not able to provide the level of service that is expected of them, but the Special Inspection process could provide that in place of local inspections. John Bradley said that there is training available for solar installers, including the North American Board of Certified Energy Practitioners (NABCEP) certification. He said that a few years ago Arizona Public Service (APS) and the Electric League had a good training, as well. He said one of the biggest issues with installations is roof penetrations. Bob Swier said his company was prequalified by APS as an installer for them, and discussed the items included in the APS training. He said that the electrical part of the installation is pretty basic for electrical contractors. He said that the local jurisdictions are requiring licensed contractors of some sort to do the installations, but the big hole in the system is how to properly inspect the installation. He said that most likely a proper inspection would have to be done by a third party. Gary Golka said that his company strives to handle the electrical side. He said that NABCEP is a great place for electricians to learn about wind loads and other structural issues, but he doesn't know of any electrical training anywhere that would cover all the aspects of solar installation, including wind loads and roof penetrations. Shawn Hutchinson said that the best practice is to ensure that the proper trades are performing the proper tasks, having the roofers take care of the roof penetrations and the electricians take care of the electrical work. He said he has heard of situations where roofers end up getting into the electrical connections, which could cause major problems. He said that this is an issue that needs to be addressed with some kind of policy across the state.

Scott Wilken said that he will bring the issue back to the committee at the next meeting to give the members a proposal to react to and hopefully come up with a document that can be taken forward.

8. Updated MAG Building Codes Committee Membership

There were no updates.

9. Updated Survey of Code Adoption

There were no updates.

10. Topics for Future Agendas

Michael Abegg said he would like a discussion about sprinklers in residences.

Donna Canale said that she wants to lead a discussion about sneaky churches in shopping centers.

Tom Ewers asked about the Legislative Update. Scott Wilken said that those will be on the agenda while the Legislature is in session, which is typically January through April.

11. Adjournment

Mary Dickson said that the next meeting of the Building Codes Committee will be September 17, 2014.

Dale Crandell made a motion to adjourn. Gregory Arrington seconded the motion and the motion passed unanimously. The meeting was adjourned at 3:25 pm.

DRAFT

Maricopa Association of Governments Building Code Amendments and Standards Manual	
BCAS #	
Title: Solar Ready Construction Checklist	
Originally Reviewed by MAG Building Codes Committee: 9/17/2014	
Updated by MAG Building Codes Committee:	

Home builders who wish to construct houses that are designed to ease the installation of solar photovoltaic systems (Solar Ready Homes) may use this checklist to ensure their houses are constructed to not require additional modification to accommodate solar systems.

- Provide a Site Plan showing the best space available for accommodating Photo Voltaic (PV) equipment (meter, disconnect & inverter) with minimum area of 4 square feet.
- Check local zoning laws and ordinances to ensure that future neighboring construction will not cast shade on the array.
- Locate the PV equipment adjacent to the electrical service panel if feasible or on a wall close to the proposed collector panel space.
- Show on the Site Plan the best roof space available for accommodating PV solar collector panels. Roofs should be south-facing and located to best avoid shading from trees and other buildings and equipment.
- Provide a roof structure designed for the additional collector dead loading (typically 3-6 lbs/SF).
- Show a minimum 3,800 volt-ampere PV electrical load entry on the Service Load Calculation. This load is continuous as with heating and cooling loads.
- Show an Electrical Panel Schedule with a 240 volt circuit breaker space labeled "reserved for Photo Voltaic".
- Minimize roof-top equipment to maximize available open space for solar collector placement.
- Wind loads on rooftop solar equipment must be analyzed to ensure that the roof structure is sufficient.
- Run electrical conduit form the solar collector location to the electrical panel and other electrical components.
- Make sure all equipment is in compliance with the current version of the National Electrical Code (NEC).
- Verify that roofing warranties accommodate installation of rooftop solar equipment.
- Record roof specifications, such as any reinforcement done in preparation for solar, in site drawings to benefit future solar installers.

Maricopa Association of Governments Building Code Amendments and Standards Manual	
BCAS #	
Title: Pre-Qualified Solar Installers List	 <p>MARICOPA ASSOCIATION of GOVERNMENTS BCAS Manual</p>
Originally Reviewed by MAG Building Codes Committee: 9/17/2014	
Updated by MAG Building Codes Committee:	

The State of Arizona currently does not require licenses for contractors installing photovoltaic (PV) solar arrays on residences. Because of this, uncertainty and safety concerns have arisen about the expertise of those installing PV systems, both installations of prefabricated metal racks and connecting the solar equipment to the electrical service.

A proposal has been made to reduce uncertainty and address potential safety concerns, while providing an opportunity for solar installation firms to save time on inspections and/or money on permit fees. Two ideas are presented below:

- Adding solar rooftop installation to the Special Inspection Program. This could save the installation firm time by allowing special inspectors to sign off on installations without needing to schedule municipal or county inspectors to visit the site. The municipal or county inspector will still give final clearance, but only be required to make one site visit. This would provide the extra benefit to the local jurisdiction that their inspectors would not need to conduct any inspections on the roof.
- Prescriptive over-the-counter permit. The creation of a journeyman level list of qualified solar installers would allow local jurisdictions to better understand who has proper training and experience to perform the installations. Ideas include reduced permit fees, over-the-counter solar permits, or reduced number of installations for contractors who have qualified for the list.

MAG BUILDING CODES COMMITTEE MEMBERSHIP AS OF
9/10/2014

Voting Members				
Name	Representing	Telephone #	Fax #	E-mail Address
Mary Dickson (Chair)	El Mirage	623-876-2932	623-876-4607	mdickson@cityofelmirage.org
Larry Taylor (Vice Chair)	Gilbert	480-503-6958	480-497-4923	larry.taylor@gilbertaz.gov
Brett Harris	Avondale	623-333-4027	623-333-0400	bharris@avondale.org
Phil Marcotte	Buckeye	623-349-6200	623-349-6221	pmarcotte@buckeyeaz.gov
Mike Tibbett	Carefree	480-488-1471	480-488-3845	mike@carefree.org
Mike Baxley	Cave Creek	480-488-6637	480-488-2263	mbaxley@cavecreek.org
Ron Boose	Chandler	480-782-3018	480-782-3110	ron.boose@chandleraz.gov
Jason Field	Fountain Hills	480-816-5127	480-837-3145	jfield@fh.az.gov
Tom Paradise	Glendale	623-930-3143	623-915-2695	tparadise@glendaleaz.com
Ed Kulik	Goodyear	623-882-7932	623-882-7114	ekulik@goodyearaz.gov
Chuck Ransom	Litchfield Park	623-935-1066	623-535-9754	cransom@litchfield-park.org
Bob Goodhue	Maricopa	520-316-6942		bob.goodhue@maricopa-az.gov
Tom Ewers	Maricopa County	602-506-7145	602-506-3282	tomewers@mail.maricopa.gov
Steven Hether	Mesa	480-644-2039	480-644-4900	steve.hether@mesaaz.gov
Bob Lee	Paradise Valley	480-348-3631	480-951-3751	rlee@paradisevalleyaz.gov
Dennis Chase	Peoria	623-773-8420	623-773-7233	dennis.chase@peoriaaz.gov
Michael Abegg	Phoenix	602-534-6498		michael.abegg@phoenix.gov
Michael Williams	Queen Creek	480-358-3009	480-358-3001	michael.williams@queencreek.org
Michael Clack	Scottsdale	480-312-7629	480-312-9029	mclack@scottsdaleaz.gov
Brigham Bennett	Surprise	623-222-3056	623-222-3002	brigham.bennett@surpriseaz.gov
Martin Perez	Tempe	480-350-8670	480-350-8677	martin_perez@tempe.gov
Dale Crandell	Tolleson	623-936-7111	623-936-7117	dcrandell@tollesonaz.org
Kevin Bruce	Wickenburg	928-684-5451 x513	602-506-1580	kbruce@wickenburgaz.org
Gregory Arrington	Youngtown	623-933-8286	623-933-5951	garrington@youngtownaz.org
Non-Voting Members				
Name	Representing	Telephone #	Fax #	E-mail Address
Jackson Moll	Home Builders Assn.	602-274-6545	480-556-5478	mollj@hbaca.org
Sharon Bonesteel	Salt River Project	602-236-4498	602-236-2791	sharon.bonesteel@srpnet.com
Jim Ricker	Town of Guadalupe	480-505-5380	480-730-3097	jim@guadalupeaz.org
Alfonso Rodriguez	Fort McDowell Yavapai Nation	480-789-7740	480-789-7798	arodriguez@ftmcdowell.org
Michael McMillan	Brown and Associates	480-991-3751	480-596-5065	mac@brown-and-associates.net
Dennis Dixon (T)	Apache Junction	480-671-5156	480-982-7010	dennisdixon@ajcity.net

(T) Temporary

Survey of Code Adoption

Jurisdiction	Building	Mechanical	Plumbing	Electric	Residential	Fire	Energy	Existing Building	Fuel Gas	Property Maintenance	Green Construction	Notes	URL	Effective Date	Anticipated Effective Date for 2009 or 2012 ICC Codes
Apache Junction	2006 IBC	2006 IMC	1994 UPC	2005 NEC	2006 IRC	2006 IFC							Apache Junction		
Avondale	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2003 IFC	2012 IECC		2012 IFGC				Avondale	7/3/2013	
Buckeye	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC	2006 IPMC		With city amendments.	Buckeye	1/17/2014	
Carefree	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC							Carefree	7/1/2006	Not going to adopt, staying with 2003.
Cave Creek	2009 IBC	2009 IMC	2009 IPC	2008 NEC	2009 IRC	2009 IFC	2009 IECC	2009 IEBC	2009 IFGC				Cave Creek	1/1/2012	
Chandler	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC				Chandler	8/1/2013	
El Mirage	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC		2012 IGCC (optional)		El Mirage	7/1/2013	
Fountain Hills	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2006 IECC		2012 IFGC			2012 Uniform Swimming Pool, Spa, and Hot Tub Code	Fountain Hills	11/21/2013	
Gila Bend	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC							Gila Bend		
Gila River	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC							Gila River		
Gilbert	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2006 IECC		2012 IFGC		2012 IGCC (optional)	w/ 2012 IECC as voluntary	Gilbert	12/7/2013	
Glendale	2012 IBC	2012 IMC	2012 IPC 2012 UPC	2011 NEC	2012 IRC	2009 IFC	2012 IECC	2012 IEBC	2012 IFGC			With city amendments.	Glendale	12/1/2012	
Goodyear	2006 IBC	2006 IMC	1994 UPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC						Goodyear		
Guadalupe	1997 UBC	1997 UMC	1994 UPC	1999 NEC	1997 UBC	1997 UFC							Guadalupe		
Litchfield Park	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC		2006 IFGC				Litchfield Park	7/1/2008	
Maricopa	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC		2012 IFGC	2012 IPMC			Maricopa	1/1/2013	
Maricopa County	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC		2012 IECC (optional)	2012 IEBC	2012 IFGC		2012 IGCC (optional)		Maricopa County	1/1/2014	
Mesa	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2009 IECC	2006 IEBC	2006 IFGC				Mesa		
Paradise Valley	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC		2012 IFGC				Paradise Valley	1/1/2013	
Peoria	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC		2012 IFGC	2012 IPMC			Peoria	5/1/2013	
Phoenix	2012 IBC	2012 IMC	2012 IPC 2012 UPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC		2012 IGCC		Phoenix	7/1/2013	
Queen Creek	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC				Queen Creek	1/1/2014	
Salt River	2003 IBC	2003 IMC	2003 UPC	2002 NEC	2003 IRC	2003 IFC							Salt River		
Scottsdale	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC	2012 IPMC	2012 IGCC		Scottsdale	1/7/2013	
Surprise	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC	2006 IPMC	2012 IGCC (optional)		Surprise	9/1/2014	
Tempe	2009 IBC	2009 IMC	2009 IPC	2008 NEC	2009 IRC	2006 IFC	2009 IECC	2009 IEBC	2009 IFGC				Tempe		
Tolleson	2006 IBC	2006 IMC	2006 IPC	2006 IEC 2005 NEC	2006 IRC	2006 IFC	2006 IECC		2006 IFGC	2006 IPMC			Tolleson	7/1/2007	Discussing adopting 2012 codes 1/2014
Wickenburg	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC	2006 IEBC	2006 IFGC				Wickenburg		No plans to adopt 2009 codes.
Youngtown	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC		2012 IEBC	2012 IFGC	2012 IPMC			Youngtown	1/1/2014	

This is intended to be used as a guide for the selected codes, as to what member agencies have adopted or intend to adopt.

Last updated August 26, 2014 by Scott Wilken, MAG

Source: MAG Building Codes Committee Members