

May 11, 2016

TO: Members of the MAG Building Codes Committee

FROM: Larry Taylor, Gilbert, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday, **May 18, 2016** - 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](mailto:swilken@azmag.gov).

TENTATIVE AGENDA  
MAG Building Codes Committee Meeting  
May 18, 2016

- |  |  |
|--|--|
| 1. <u>Call to Order</u>  | 2. For information.  |
| 2. <u>Introductions</u>  | 3. Review and approve the minutes of the March 16, 2016 meeting. |
| 3. <u>March 16, 2016 Meeting Minutes</u>   | 4. For information and discussion.                               |
| 4. <u>Call to the Audience</u><br><br>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><br><br>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>Drones for Emergency Inspections</u><br><br>A discussion of the use of unmanned drones in emergency building inspections.  | 7. For information and discussion.                               |
| 7. <u>Legislative Update</u><br><br>Please see the latest bills tracking list as <b>Attachment One</b> for an update on legislative issues of interest.  |  |

8. Updated MAG Building Codes Committee Membership

We are requesting that Committee members review **Attachment Two**, Committee Roster, sent with this agenda. Please forward any changes to Scott Wilken prior to the meeting or provide them at the meeting.

9. Update Survey of Code Adoption

**Attachment Three** identifies the codes that member agencies have adopted. Please review this information and provide any updates to Scott Wilken.

10. Topics for Future Agendas

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.

The next meeting is scheduled for Wednesday June 15, 2016 at 2:00 p.m. in the MAG Ironwood Room.

11. Adjournment

8. For information and discussion.

9. For information and discussion.

10. For information and discussion.

11.

MINUTES OF THE  
MARICOPA ASSOCIATION OF GOVERNMENTS  
BUILDING CODES COMMITTEE

March 16, 2016

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

COMMITTEE MEMBERS

Larry Taylor, Gilbert, Chair

Gregory Arrington, Youngtown, Vice Chair

\*Dave Zellner, Apache Junction

\*Brett Harris, Avondale

Phil Marcotte, Buckeye

\*Mike Tibbett, Carefree

\*Mike Baxley, Cave Creek

#Ron Boose, Chandler

Mary Dickson, El Mirage

\*Jason Penrod, Florence

\*Jason Field, Fountain Hills

Tom Paradise, Glendale

\*Randal Westacott, Goodyear

\*Chuck Ransom, Litchfield Park

\*VACANT, Maricopa

Tom Ewers, Maricopa County

Steven Hether, Mesa, Acting Chair

#Bob Lee, Paradise Valley

#Dennis Chase, Peoria

Michael Abegg, Phoenix

\*Michael Williams, Queen Creek

\*Michael Clack, Scottsdale

\*Brigham Bennett, Surprise

\*Martin Perez, Tempe

Dale Crandell, Tolleson

#Kevin Bruce, Wickenburg

\*Jackson Moll, Home Builders Association

\*Sharon Bonesteel, Salt River Project

OTHERS IN ATTENDANCE

Merry Holmgren, MAG

Amanda Stanko, MAG

#Fredric Zwerg, Southwest Gas

Bob Brown, Arizona Foundation Solutions

Josh Vigh, Energy Inspectors

\*Those members neither present nor  
represented by proxy.

#Those members participating via  
audioconference

1. Call to Order

Larry Taylor, Chair, called to order the March 16, 2016 meeting of the MAG Building Codes Committee (BCC) at 2:01 p.m.

2. Introductions

Voting members Ron Boose, Bob Lee, Dennis Chase, and Kevin Bruce attended via telephone conference call. All members and guests introduced themselves.

3. February 17, 2016 Meeting Minutes

Mary Dickson made a motion to approve the February 17, 2016 minutes. Steven Hether 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 said that the AZBO educational institute will be April 4-8 in Prescott.

6. Geotechnical Requirements for Proprietary Deep Foundation Systems

Michael Abegg gave a recap on this discussion from the previous meeting. Larry Taylor discussed how this issue is handled in Gilbert. He said that his plan reviewers have not been requiring soils reports. Michael Abegg said that he does not see a way for a building official to waive the requirement of a soils report, even if the building official does not think it is necessary. Dennis Chase said Peoria has accepted a smaller soils report in lieu of a full report. He said the smaller report included the pertinent information. Bob Brown talked about this information in the soils reports his company has submitted. Michael Abegg said that Phoenix has worked out a compromise that is more streamlined than the city's process was before, but not as much as it could have been. Larry Taylor said that Gilbert would allow the referencing of an existing soils report, if applicable. Michael Abegg talked about various scenarios, and said that, while he understands the frustration, he still does not see any way around the soils report requirement. Bob Brown said that these systems were mainly designed to support new structures, which is a different application than raising by a few inches and supporting an existing structure. He said it is a serviceability problem, rather than a structural problem. He said that the code is requiring a structural solution to a serviceability problem. He said that this raises the cost to the homeowner the most and does the homeowner the least amount of good. Michael Abegg said that if there is interest, he would look at putting together a draft MAG document to list required criteria and what specific circumstances soils reports are not required. Bob Brown talked about procedures that his company uses to ensure success of the installation, including using a minimum depth of ten feet. Tom Paradise asked what happens if the required torque is met at less than ten feet. Bob Brown said that in those cases, they predrill to ten feet and start from there. He talked about how this issue is handled across the country, and the problem seems to be unique to Arizona. Tom Paradise asked if a code modification would have to be done for each installation. Michael Abegg said that the intent is to create a standardized

document that could be used uniformly as an alternative design. Larry Taylor asked for an indication from the group that, if Michael Abegg created a document to address this, other jurisdictions would at least consider using it. Most of the attendees indicated they would at least consider such a document.

7. Legislative Update

Merry Holmgren provided an update on legislative action of interest to the committee.

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

Larry Taylor said that Michael Abegg will bring back a draft document to address the issues discussed in item 6 to a future meeting.

11. Adjournment

Larry Taylor said that the next meeting of the Building Codes Committee will be April 20, 2016.

Tom Ewers made a motion to adjourn. Phil Marcotte seconded the motion and the motion passed unanimously. The meeting was adjourned at 2:51 pm.



## MAG Bill Summary

### Building Codes, Specs, Details and Related

**SB 1004      Garden Produce; Regulatory Exemption      Sen. Farnsworth**

The list of food that must be exempt from specified food-related Arizona Department of Health rules is expanded to include: a whole fruit or vegetable grown in a home garden, public school garden, food establishment garden or community garden; a whole fruit or vegetable offered for commercial or noncommercial purposes at a farmers' market; and commercially prepackaged food that is offered at a public or private school facility. Any rule adopted by a county department relating to food must provide the same exemptions.

**Status: Transmit to House 2/22; Assigned AWL 3/2**

**SB 1194      Building Codes Moratorium; Repeal      Sen. Griffin**

Repeals the moratorium on new or modified residential or commercial building codes that was in effect from June 30, 2009 to June 20, 2011.

**Status: Transmit to House 2/11; CMA W/D 2/22**

**SB 1449      ~~Unmanned Aircraft; Prohibited Operations~~ –      Sen. Kavanagh**  
**Now: Prohibited Operations; Unmanned Aircraft**

SB 1449 prescribes restrictions for the operation of civil unmanned aircrafts, model aircrafts, unmanned aircrafts and unmanned aircraft systems. Bill provisions found [here](#).

**Status: Transmitted to Governor 5/4**

**HB 2172      Planned Communities; Architectural Designs; Approval      Rep. Petersen**

Planned communities are prohibited from unreasonably withholding approval of a construction project's architectural designs, plans and amendments.

**Status: Signed by Governor 3/30**

**HB 2233      Public Buildings; Applicable Fire Codes      Rep. Boyer**

If authorized by the State Fire Marshall through an intergovernmental agreement, public buildings may be constructed in compliance with the fire code of the municipality, county or fire district in which the building is located, instead of in compliance with the state fire code.

**Status: Transmitted to Governor 5/7**

**HB 2333      Board of Technical Registration; Exemptions      Rep. Barton**

A nonregistrant who designs additions or alterations to a one or two story building or structure and who is exempt from regulation by the Board of Technical Registration is permitted to design improvements within tenant spaces involving nonbearing, nonshear walls for the purpose of creating office space or separation.

**Status: Transmit to Senate 2/19; Assigned CWD 2/23**



**HB 2486      Telecommunications Utilities; Relocation; Reimbursement      Rep. Olson**

To the fullest extent allowed by law, if any construction in any municipality that is undertaken individually or jointly by an intergovernmental contract that is funded in whole or in part by voter-approved bond proceeds requires a "telecommunications utility" (defined) to adjust or relocate the utility's facilities, the county or municipality must reimburse the utility or cause the utility to be reimbursed for the utility's relocation costs. Some exceptions. The process for reimbursement is specified.

**Status: Transmitted to Governor 5/7**

**HB 2497      ~~Local Governments; Permits; Equipment~~      Rep. Mitchell**  
**Now: Equipment; Permits; Local Government**

Specifies requirements of a political subdivision to allow for the installation, operation and maintenance of microcell equipment in public streets, roads, alleys and public highways and outlines stipulations for charging fees. Bill provisions found [here](#).

**Status: Transmitted to Governor 5/6**

MAG BUILDING CODES COMMITTEE MEMBERSHIP AS OF  
5/11/2016

<b>Voting Members</b>				
<b>Name</b>	<b>Representing</b>	<b>Telephone #</b>	<b>Fax #</b>	<b>E-mail Address</b>
Larry Taylor (Chair)	Gilbert	480-503-6958	480-497-4923	larry.taylor@gilbertaz.gov
Gregory Arrington (Vice Chair)	Youngtown	623-933-8286	623-933-5951	garrington@youngtownaz.org
Dave Zellner	Apache Junction	480-474-5084	480-982-7010	dzellnern@ajcity.net
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
Mary Dickson	El Mirage	623-251-3508	623-583-8257	mdickson@cityofelmirage.org
Jason Penrod	Florence	520-868-7615	520-868-7546	jason.penrod@florenceaz.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
NO CURRENT APPOINTMENT	Goodyear			
Chuck Ransom	Litchfield Park	623-935-1066	623-535-9754	cransom@litchfield-park.org
NO CURRENT APPOINTMENT	Maricopa			
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@paradisvalleyaz.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
<b>Non-Voting Members</b>				
<b>Name</b>	<b>Representing</b>	<b>Telephone #</b>	<b>Fax #</b>	<b>E-mail Address</b>
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

# 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 2012 or 2015 ICC Codes
Apache Junction	2006 IBC	2006 IMC	1994 UPC	2005 NEC	2006 IRC	2006 IFC							<a href="#">Apache Junction</a>		
Avondale	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2003 IFC	2012 IECC		2012 IFGC				<a href="#">Avondale</a>	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.	<a href="#">Buckeye</a>	1/17/2014	
Carefree	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC							<a href="#">Carefree</a>	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				<a href="#">Cave Creek</a>	1/1/2012	
Chandler	2015 IBC	2015 IMC	2015 IPC	2014 NEC	2015 IRC	2015 IFC	2015 IECC	2015 IEBC	2015 IFGC			2015 International Swimming Pool & Spa Code	<a href="#">Chandler</a>	7/1/2016	City Council April 14
El Mirage	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC		2012 IGCC (optional)		<a href="#">El Mirage</a>	7/1/2013	
Florence	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC		2006 IFGC	2006 IPMC		2003 Accessible & Usable Bldgs & Facilities Code	<a href="#">Florence</a>		
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	<a href="#">Fountain Hills</a>	11/21/2013	
Gila Bend	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC							<a href="#">Gila Bend</a>		
Gila River	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC							<a href="#">Gila River</a>		
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	<a href="#">Gilbert</a>	12/7/2013	
Glendale	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2009 IFC	2012 IECC	2012 IEBC	2012 IFGC			With city amendments.	<a href="#">Glendale</a>	12/1/2012	
Goodyear	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC		2012 IFGC	2012 IPMC		2012 International Swimming Pool & Spa Code	<a href="#">Goodyear</a>	7/1/2015	
Guadalupe	1997 UBC	1997 UMC	1994 UPC	1999 NEC	1997 UBC	1997 UFC							<a href="#">Guadalupe</a>		
Litchfield Park	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC		2006 IFGC				<a href="#">Litchfield Park</a>	7/1/2008	
Maricopa	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC		2012 IFGC	2012 IPMC			<a href="#">Maricopa</a>	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)		<a href="#">Maricopa County</a>	1/1/2014	
Mesa	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2009 IECC	2006 IEBC	2006 IFGC				<a href="#">Mesa</a>		
Paradise Valley	2015 IBC	2015 IMC	2015 IPC	2014 NEC	2015 IRC	2015 IFC	2015 IECC		2015 IFGC				<a href="#">Paradise Valley</a>	7/1/2016	
Peoria	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC		2012 IFGC	2012 IPMC			<a href="#">Peoria</a>	5/1/2013	
Phoenix	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC		2012 IGCC		<a href="#">Phoenix</a>	7/1/2013	
Queen Creek	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC				<a href="#">Queen Creek</a>	1/1/2014	
Salt River	2003 IBC	2003 IMC	2003 UPC	2002 NEC	2003 IRC	2003 IFC							<a href="#">Salt River</a>		
Scottsdale	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC	2012 IPMC	2012 IGCC		<a href="#">Scottsdale</a>	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)		<a href="#">Surprise</a>	9/1/2014	
Tempe	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC				<a href="#">Tempe</a>	7/1/2015	
Tolleson	2012 IBC	2012 IMC	2012 IPC	2011 NEC	2012 IRC	2012 IFC	2012 IECC	2012 IEBC	2012 IFGC	2012 IPMC			<a href="#">Tolleson</a>	1/9/2015	
Wickenburg	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC	2006 IEBC	2006 IFGC				<a href="#">Wickenburg</a>		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			<a href="#">Youngtown</a>	1/1/2014	Adopting 2015 codes effective July/August 2015

*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 March 16, 2016 by Scott Wilken, MAG  
 Source: MAG Building Codes Committee Members*