

September 8, 2009

TO: Members of the MAG Building Codes Committee

FROM: Michael Clack, Scottsdale, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday **September 16, 2009** - 2:00 pm
MAG Office, Suite 200, Cholla 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 videoconference or telephone conference call must make arrangements with Steve Gross at MAG and, for videoconferencing, your site coordinator by at least the Monday 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 Heidi Pahl 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 13 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 Heidi Pahl at (602) 254-6300 or hpahl@mag.maricopa.gov.

TENTATIVE AGENDA

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| 1. <u>Call to Order</u> | |
| 2. <u>Introductions</u> | 2. For information. |
| 3. <u>August 19, 2009 Meeting Minutes</u> | 3. Review and approve the minutes of the August 19, 2009 meeting. |
| 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. | 4. 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. | 5. For information and discussion. |
| 6. <u>Bathtub Overflow</u>

Discussion on requirements of the International Plumbing Code and International Residential Code regarding bathtub overflow. | 6. For information and discussion. |
| 7. <u>Structural Engineering and Solar Residential Photovoltaic Applications</u>

Discussion regarding the application of Solar Photovoltaic systems on existing residential roofs. The question of whether structural engineering should be required will be addressed. | 7. For information and discussion. |

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| <p>8. <u>MAG Building Inspectors/Plans Examiners (BI/PE) Forum Update</u></p> <p>Discussion and possible action regarding a new chair person.</p> | <p>8. For information, discussion and possible action.</p> |
| <p>9. <u>Updated MAG Building Codes Committee Membership</u></p> <p>We are requesting that Committee members review Attachment 1, Committee Roster, sent with this agenda. Please forward any changes to Heidi Pahl 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 2 identifies the codes that member agencies have adopted. Please review this information and provide any updates or corrections to Heidi Pahl.</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. The next meeting of the MAG Building Codes Committee is scheduled for Wednesday October 21, 2009 at 2:00 p.m. in the Cholla Room of the MAG offices.</p> | <p>11. For information and discussion.</p> |
| <p>12. <u>Adjournment</u></p> | |

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
BUILDING CODES COMMITTEE

August 19, 2009

Maricopa Association of Governments Office
Cholla Room
Phoenix, Arizona

COMMITTEE MEMBERS

Michael Clack, Scottsdale, Chair	John Rae for Chuck Ransom, Litchfield Park
Ken Sowers, Avondale	Tom Ewers, Maricopa County
Phil Marcotte, Buckeye	A -Steven Hether, Mesa
*Mike Tibbett, Carefree	Bob Lee, Paradise Valley
Mike Baxley, Cave Creek	*Dennis Marks, Peoria
*Alex Banachowski, Chandler	*Tom Wandrie, Phoenix
Mary Dickson, El Mirage	*Dean Wise, Queen Creek
*Peter Johnson, Fountain Hills	*Forrest Fielder, Surprise
*John Smith, Gila Bend	A -Michael Williams, Tempe
*Jo Rene DeVeau, Gila River Indian Community	Mario Rochin, Tolleson
A -Ray Patten, Gilbert	John Stigsell, Youngtown
Bryan Woodcox for Deborah Mazoyer, Glendale	Rick DeStefano, Wickenburg
Bill King for Ed Kulik, Goodyear	Rus Brock, Home Builders Association

OTHERS IN ATTENDANCE

Alana Chavez, MAG
Heidi Pahl, MAG
Steve Gross, MAG
Mark Wogan, Highland Products
Ray Schmidt, R&R Engineering
Ward Gilbert, Gilbert Plumbing
Robert Palmer, Southwest Gas
John Goss, Southwest Gas
Chris France, ATKO Build Mat
Ron MacDonald, Horizon Stucco

*Those members neither present nor represented by proxy.

A-Those members participating via audioconference

V-Those members participating via videoconference

1. Call to Order

Michael Clack, Chair, called to order the August 19, 2009 meeting of the MAG Building Codes Committee (BCC) at 2:01 p.m.

2. Introductions

Voting members Steven Hether, Michael Williams, and Ray Patten attended via telephone conference call. All members introduced themselves.

3. May 20, 2009 Meeting Minutes

It was moved by Ken Sowers, seconded by Mario Rochin and unanimously recommended to approve the May 20, 2009 meeting minutes.

4. Call to the Audience

Ward Gilbert with Gilbert Plumbing Company addressed the issue of bathtub overflows. Mr. Gilbert said that the IRC and IPC conflict with each other on the issue of bathtub overflows. Mr. Gilbert said the IPC says it is clear it is not required and IRC has vague language. He said there is no such thing as an overflow in a bathtub, it is a misnomer. He said there is no engineering or standards for an overflow. He announced that there is an upcoming hearing in October 2009 to resolve issues between conflicting codes.

Bob Lee said he hopes that the committee recommendation is upheld. Ward Gilbert said that it is called an overflow but it is technically not an overflow so he asked that the word be changed. He provided an example of a court suing a plumber for not installing an overflow, when an overflow does not exist.

Michael Clack said the MAG BCC could place this item on a future agenda and encouraged Mr. Gilbert to participate in the ICC hearings in October/November 2009. Mr. Clack said that ICC provides their interpretation and the final interpretation is with the building official at a jurisdiction.

Ray Schmidt with R & R Engineering said that his issue is whether or not structural engineering should be required for solar residential photo voltaic application. He suggested that MAG require a structural review for public safety reasons. He suggested the issues be addressed at the BI/PE Forum and be forwarded to MAG BCC for consideration. Mr. Schmidt provided an example from Clacksmith County, Oregon.

Michael Clack encouraged the industry professionals to work on this issue to find a code compliant solution.

Bob Lee asked if this can be put on an agenda item so MAG BCC can discuss the issue further. Michael Clack replied yes.

Ray Schmidt asked if a subcommittee can be formed to discuss the issue. Michael Clack said that first it should be presented to MAG BCC at their September meeting.

5. Comments From the Committee

John Stigsell asked if the MAG BCC is going to share proposed amendments to the new codes. Bob Lee explained that collecting the amendments from all the jurisdictions was the responsibility of past BCC members. Michael Clack said the Scottsdale amendments are available on the Scottsdale Web site. Ken Sowers said MAG BCC amendments have been derived from the Arizona Building Officials (AZBO) amendments. Tom Ewers asked if there is an AZBO committee looking at the 2009 codes. Michael Clack replied yes.

Rus Brock said the purpose of the ICC annual conference in Baltimore is to begin looking at the 2009 codes. Bob Lee said there are 3 basic areas on the agenda for the ICC meeting: 1. review current AZBO amendments that will become the MAG amendments. 2. discuss happenings at code hearings in Baltimore, and 3. begin looking at 2009 proposed code changes. Mr. Lee noted that they will begin looking at 2012 amendments as well.

Rick DeStefano asked if there is a standard on aquipotential bonding in swimming pools. Wickenburg said they are using the 2005 NEC, using Article 680.26. Bill King said in Goodyear they created a handout and have been accepting the 2008 NEC for aquipotential bonding in swimming pools.

6. Drainage Requirements for One Coat Stucco

Mark Wogan of Highland Products discussed the drainage requirements found in the International Code Council (ICC) Evaluation Service reports and how jurisdictions are or will be enforcing them. Mr. Wogan discussed problems in the field with ½ inch foam and drainage requirements. He said they had a problem with the practicality of ½ inch foam, it is too thin. He noted that manufacturers are prepared to put the groove in the foam. He distributed a sample of the foam with grooves. He distributed the ICC-ES Evaluation Report (ESR2278).

Bob Lee said he cannot imagine any building official rejecting the foam. Mark Wogan said the issue may be that Highland Products is prepared to create and distribute this foam but other manufacturers are not prepared to do the same. He suggested that if MAG BCC adopts this standard then other manufacturers will start to create this foam. Mark Wogan said there are other alternatives like Tivec, but it is more expensive.

Bob Lee said that this was addressed at a previous MAG BCC meeting and the conclusion was that July 1, 2009 was the effective date and each jurisdiction will decide how they are going to enforce it. Michael Clack said all permits that have been applied for after July 1st will have this enforced. Ken Sowers asked if it is July 1, 2009. Bob Lee replied yes.

Mike Baxley reminded that at a previous MAG BCC meeting, it was agreed that all manufacturers will print on the back side of the foam that the ½ inch foam has water drainage.

Michael Clack read the ICC-ES report section 7, identification. Mark Wogan said that Highland Products will have their product meet that identification. Mr. Wogan said they want to keep the integrity of the foam.

Mark Wogan asked for information from MAG BCC on which members will be enforcing this as of July 1, 2009. Michael Clack said that responses can be collected via e-mail.

Mark Wogan said he started to ask builders about 2 inch foam. Ron Macdonald with Horizon Stucco discussed benefits of 2 inch foam and said he is previewing it to builders.

Rick DeStefano asked if this product will have grooves. Ron Macdonald replied yes.

Rus Brock said that there are additional energy requirements in 2009 and is unclear if the wall R value is a composite of all the pieces. Ron Macdonald said the R value is calculated as a value of the assembly. Presently it is calculated on a one inch foam as a R8 or R9. What is really important about this is that it sits outside the stud plane. This adds significant insulation to the building and this cannot be added after the building is built.

Ken Sowers asked if jurisdictions are going to be able to adopt the 2009 IECC. Rus Brock said he does not know the answer.

7. Chair and Vice Chair Term Appointments

Alana Chavez said that on July 22, 2009, the MAG Regional Council approved the MAG Committee Operating Policies and Procedures. She said the document has clarified, and in some cases, modified, former MAG committee procedures. The policies and procedures note that Chairs and Vice Chairs of technical and policy committees, with the exception of the Transportation Policy Committee, will be appointed by the MAG Executive Committee and are eligible for one-year terms, with possible reappointment to serve up to one additional term by consent of the committee.

Michael Clack said the term limit of Chair is 2 years, and at the end of each term the Vice Chair would automatically become Chair. Mr. Clack encouraged members to submit a letter of interest if they wish to serve. Mr. Clack said rotating leadership roles is a good thing.

Alana Chavez said that if no one volunteers for Chair, MAG Executive Committee will respectfully appoint a Chair and Vice Chair.

Alana Chavez thanked the Chairman for his service.

8. MAG Building Inspectors/Plans Examiners (BI/PE) Forum Update

Michael Clack informed that Cheryl Mullis has stepped down as Chair of BI/PE Forum. He asked for a new chair person.

Ken Sowers asked if the Chair could be a plans examiner. Michael Clack replied that Cheryl Mullis was not a building official and said yes it could be a plans examiner. Ken Sowers mentioned that he may be able to volunteer an Avondale plans examiner.

9. Electric Vehicle Infrastructure

Alana Chavez said that on April 16, 2009, MAG, ECOtality and Nissan North America announced a zero emissions partnership that will help facilitate the introduction of electric vehicles (EVs) in the MAG region. She said the proposed infrastructure will utilize 220-volt

charging stations at residential and commercial locations, as well as 440-volt fast-charge stations that could be strategically located to allow vehicles to fully charge in less than 26 minutes. She noted the public and commercial charging systems will utilize the standardized plugs and connectors that have been adopted by major auto manufacturers and will be compatible with all plug-in vehicles. She said on May 20, 2009, MAG staff provided an update on the zero emission partnership initiative to the MAG Building Codes Committee. She said on August 5, 2009, Electric Transportation Engineering Corporation (eTec), a subsidiary of ECOTality, Inc., a leader in clean electric transportation and storage technologies, was selected by the U.S. Department of Energy for a grant of approximately \$99.8 million to undertake the largest deployment of EVs and charging infrastructure to date. She said the grant will be matched by the application's project participants to provide a total of approximately \$200 million to fund the initiative. eTec, as the lead applicant for the proposal, partnered with Nissan North America to deploy EVs and the charging infrastructure that will support them and all electric and plug-in hybrid electric vehicles. She explained the project proposes to deploy charging infrastructure in major population areas that include Phoenix (AZ), Tucson (AZ), San Diego (CA), Portland (OR), Eugene (OR), Salem (OR), Corvallis (OR), Seattle (WA), Nashville (TN), Knoxville (TN), and Chattanooga (TN). In addition to implementation of charging infrastructure in the Phoenix and Tucson regions, ECOTality plans to link the two metropolitan areas by implementing strategic fast-charge stations along Interstate-10 to create the first true implementation of an EV Corridor in North America. She reported that MAG will continue to work closely with ECOTality and its subsidiary, eTec, regarding the implementation of charging infrastructure in the region through the MAG committee process. She said staff will provide an update on the zero emission partnership and discuss next steps in anticipation of beginning to address the development and establishment of building codes for the purpose of implementing electric vehicle charging infrastructure in the MAG region. She said her presentation was available on the MAG web site. She referred members to Attachment Two and Attachment Three included in the agenda packet.

Bob Lee asked if this was Vancouver Canada or Vancouver Washington. Alana Chavez replied Canada. Tom Ewers asked if this includes the wiring. Alana Chavez said it does not include the wiring.

Alana Chavez said eTec plans to make a presentation at the September MAG BCC meeting to begin developing a set of building codes for EV infrastructure. She said the goal is to have this adopted by the MAG Regional Council next spring. She said meeting this timeline is critical in order to meet the roll out of the electric vehicle.

Tom Ewers asked what the region includes. Alana Chavez said it includes all cities and towns and MAG member agencies within Maricopa County. Mr. Ewers said the grant funding is for Phoenix and Tucson and the corridor in between. Alana Chavez replied that the grant program states, Phoenix and means the Phoenix metro region.

Bill King asked if there is a federal requirement for local jurisdictions to adopt a new building code for the EV infrastructure. Alana Chavez replied that it is a requirement of the MAG Regional Council, the policy makers. She added that the house bill with the moratorium on adopting new building codes does not impact this project.

Rus Brock noted that even if the MAG Regional Council adopts a policy for EV infrastructure each city council needs to individually adopt it as a code.

Bob Lee asked if anyone is familiar enough with the NEC to understand if it will require code changes to support the EV infrastructure. Mr. Clack said he did not know but doubts that this has been addressed on a national level. Tom Ewers cited the Oregon building codes example. Steve Hether said the NEC already has Article 625 for EV charging station. Mr. Hether said it seems like the MAG BCC is being asked to provide scoping provisions such as where fast charge stations have to be installed and how many of them have to be installed. Mr. Clack said the mall in Chandler has some parking spaces with EV charge stations.

Mr. Clack said it would be very helpful for eTec engineers to provide recommendations to MAG BCC as a starting point for drafting a code. Alana Chavez agreed. Mr. Clack said that at some point this will have to be addressed nationally. Alana Chavez said yes, she anticipates it will go to the national level, with the first step being a pilot project in our area and other identified areas.

Bill King said from a previous eTec presentation to MAG BCC, they requested MAG BCC to have a quick standardized permitting process.

10. Updated MAG Building Codes Committee Membership

Chairman Michael Clack reminded members to keep their membership information current and to report any changes to Heidi Pahl.

11. Update Survey of Code Adoption

No update.

12. Topics for Future Agendas

Rus Brock suggested a future topic on bathtub overflow. Mr. Clack concurred. Steve Hether said the language in the IRC for 2006 and 2009 codes and the IPC are identical. He said it may be beneficial to define the purpose of the overflow.

Bob Lee suggested a future agenda item on whether or not structural engineering should be required for solar residential photo voltaic application.

13. Adjournment

The meeting adjourned at 3:32 p.m.

MAG BUILDING CODES COMMITTEE MEMBERSHIP AS OF
9/8/2009

ATTACHMENT ONE

Name	Representing	Telephone #	Fax #	E-mail Address
Michael Clack (Chair)	Scottsdale	480-312-7629	480-312-9029	mclack@scottsdaleaz.gov
Dennis Dixon (T)	Apache Junction	480-671-5156	480-982-7010	dennisdixon@ajcity.net
Ken Sowers	Avondale	623-333-4025	623-333-0401	ksowers@avondale.org
Phil Marcotte	Buckeye	623-349-6200	623-349-6222	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
Alex Banachowski	Chandler	480-782-3109	480-782-3110	alex.banachowski@ci.chandler.az.us
Mary Dickson	El Mirage	623-876-2932	623-876-4607	mdickson@cityofelmirage.org
Peter Johnson	Fountain Hills	480-816-5110	480-837-3145	pjohnson@fh.az.gov
John Smith	Gila Bend	1-928-683-2255	928-683-6430	jsmith@gilabendaz.org
JoRene DeVeau	Gila River IC	520-562-3583	520-562-1033	jorene.deveau@gric.nsn.us
Ray Patten	Gilbert	480-503-6820	480-497-4923	rayp@ci.gilbert.az.us
Deborah Mazoyer	Glendale	623-930-3120	623-915-2695	DMazoyer@glendaleaz.com
Ed Kulik	Goodyear	623-932-3910	623-932-1177	ekulik@goodyearaz.gov
Chuck Ransom	Litchfield Park	623-935-1066	623-935-5427	building@litchfield-park.org
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@cityofmesa.org
Bob Lee	Paradise Valley	480-348-3631	480-951-3751	rlee@paradisevalleyaz.gov
Dennis Marks	Peoria	623-773-7232	623-773-7233	dennis.marks@peoriaaz.gov
Tom Wandrie	Phoenix	602-534-9480	602-495-5430	tom.wandrie@phoenix.gov
Dean Wise	Queen Creek	480-358-3009	480-358-3002	dean.wise@queencreek.org
VACANT	Surprise			
Michael Williams	Tempe	480 350-8670	480 350-8677	michael_williams@tempe.gov
Mario Rochin	Tolleson	623-936-7111	623-936-7117	mrochin@tollesonaz.org
Rick DeStefano	Wickenburg	928-684-5451 x513	602-506-1580	rdestefano@ci.wickenburg.az.us
John Stigsell	Youngtown	623-933-8286	623-933-5951	jstigsell@youngtownaz.org
Rus Brock	Home Builders Assn.	602-274-6545	480-556-5478	brockr@hbaca.org
Heidi Pahl	MAG	602-254-6300	602-452-5098	hpahl@mag.maricopa.gov

(T) Temporary

(P) Proxy

Survey of Code Adoption

Jurisdiction	Building	Mechanical	Plumbing	Electric	Residential	Fire	Energy	Existing Building Code	Fuel	Performance	Notes	Anticipated Adopted Date by Council	Anticipated Effective Date for 2009 ICC Codes (Month and Year)
Avondale	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC		2006 IFGC		2006 Fuel Gas Code. Codes adopted 2/20/07, effective 7/1/07	January/February 2010	July 2010
Buckeye	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC				2006 Fuel Gas Code. Codes adopted 2/20/07, effective 7/1/07		No plans to adopt 2009 codes.
Carefree	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC					Codes became effective July 1, 2006		Not going to adopt, staying with 2003.
Cave Creek	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC	2003 IECC					January/February 2010	July 2010
Chandler	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC		2006 IFGC		Effective September 28, 2008	January/February 2011	Early 2011
El Mirage	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC	2006 IEBC	2006 IFGC		1997 ICC/ANSI Accessibility Code with Arizonans with Disabilities Act. New codes will go into effect Jan. 1, 2008 with city amendments.	January/February 2010	July 2010
Fountain Hills	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC				Codes adopted April 17, 2008 with town amendments available on Web site.		No plans to adopt 2009 codes.
Gila Bend	1997 UBC	1997 UMC	1997 UPC	1999 NEC	1997 UBC	1997 UFC							Just adopted 2006 IBC.
Gila River	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	None						
Gilbert	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC		2006 IFGC		ADAAG per state requirements	January/February 2010	July 2010
Glendale	2006 IBC	2006 IMC	2006 UPC	2005 NEC	2006 IRC	2003 IFC		2006 IEBC			With city amendments. Effective Sept. 1, 2007	January/February 2010	July 2010
Goodyear	2006 IBC	2006 IMC	1994 UPC	2005 NEC	2006 IRC	2006 IFC	2006 Residential				Adopted 5-14-2007.		
Guadalupe	1997 UBC	1997 UMC	1994 UPC	1999 NEC	1997 UBC	1997 UFC							Need phone #
Litchfield Park	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC (waiting on Avondale)	2006 IECC		2006 IFGC		Codes effective July 1, 2008		
Maricopa County	2006 IBC	2006 IMC	2006 IPC (effective Jan. 19, 2008)	2005 NEC	2006 IRC						WITH MAG/AZBO AMENDMENTS adopted September 5, 2007.	January 2010	2009 I codes (and 2008 NEC) effective date of 1-1-10, but with a grace period to 4-1-10.
Mesa	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC		2006 IEBC	2006 IFGC		2006 IBC, IMC, IPC, IRC and 2005 NEC will be effective 2/4/07. Did not adopt the energy code.		
Paradise Valley	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC		2006 IFGC		Effective July 1, 2007	January/February 2010	July 2010

Survey of Code Adoption

Jurisdiction	Building	Mechanical	Plumbing	Electric	Residential	Fire	Energy	Existing Building Code	Fuel	Performance	Notes	Anticipated Adopted Date by Council	Anticipated Effective Date for 2009 ICC Codes (Month and Year)
Peoria	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC			2006 IFGC			January/February 2010	July 2010
Phoenix	2006 IBC	2006 IMC	2006 UPC	2005 NEC	2006 IRC	2006 IFC w/ Amendments	2006 IECC	2006 IEBC	2006 IFGC	2006 ICCP for Buildings and Facilities	Effective July 2, 2008	January 2010	July 2010
Queen Creek	2006 IBC	2006 IMC	2006 UPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC	2006 IEBC			Effective Aug. 7, 2008		No plans to adopt 2009 codes.
Salt River	2003 IBC	2003 IMC	2003 UPC	2002 NEC	2003 IRC	2003 IFC	None						Need phone #
Scottsdale	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC				Effective Sep. 1, 2007, except IPC June 30, 2008	January/February 2010	July 2010
Surprise	2006 IBC	2006 IMC	2006 IPC	2006 IEC w/ 2005 NEC	2006 IRC	2006 IFC	2006 IECC	2006 IEBC	2006 IFGC		Adopted June 28, 2007	January 2010	July 2010
Tempe	2006 IBC	2006 IMC	2006 IPC	2008 NEC	2006 IRC	2006 IFC	2006 IECC	2006 IEBC	2006 IFGC		Effective 1/12/2009		
Tolleson	2006 IBC	2006 IMC	2006 IPC	2005 NEC w/ 2006 IEC	2006 IRC	2006 IFC	2006 IECC				2006 Fuel Gas Code, 2006 IPMC, 2006 NEAC. Codes adopted 2/20/07, effective 7/1/07.	January/February 2010	July 2010
Wickenburg	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC	2006 IEBC	2006 IFGC				No plans to adopt 2009 codes.
Youngtown	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC			2006 IFGC			January 2010	July 2010