

November 12, 2008

TO: Members of the MAG Building Codes Committee

FROM: Michael Clack, Scottsdale, Chair

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Wednesday **November 19, 2008** - 2:00 pm
MAG Office, Suite 200, Cholla Room
302 North 1st Avenue, Phoenix

A meeting of the MAG Building Codes Committee 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 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>October 15, 2008 Meeting Minutes</u> | 3. Review and approve the minutes of the October 15, 2008 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>Association of Pool and Spa Professionals (APSP)</u>

Steve Barnes will address entrapment avoidance provisions for pools and spas. These provisions will be appearing in the 2009 I-codes. | 6. For information and discussion. |
| 7. <u>2009 I-Codes</u>

Committee members will be requested to discuss an initiative to reach consensus in unison on the 2009 I-codes, prior to the jurisdiction adoption of these codes. | 7. For information, discussion and possible action. |
| 8. <u>Suggested Guidelines from the MAG BCC 1991</u> | 8. For information and discussion |

to Present

At the October MAG BCC meeting, members agreed to change the selected actions of the MAG BCC from 1991 to present to *guidelines* from the committee. It was agreed that the items in the table would be reviewed by the Building Inspectors/Plans Examiners (BI/PE) for accuracy and relevancy. Members will be requested to discuss current status of this table.

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| <p>9. <u>Photovoltaic System Connections</u></p> <p>Members of the MAG Building Codes Committee will be requested to discuss photovoltaic system connections to the Service Entry Section. The topic will concentrate on Articles 690 and 240.21 of the National Electric Code with particular emphasis on disconnects and taps. Please see Attachment One.</p> | <p>9. For information and discussion.</p> |
| <p>10. <u>Interpretation of ARS 9-467c.</u></p> <p>John Stigsell from Youngtown requested that a discussion on the interpretation of ARS 9-467c occur at the next MAG BCC meeting. An initial discussion on this topic was held at the October meeting as part of agenda item ten.</p> | <p>10. For information and discussion</p> |
| <p>11. <u>MAG Building Inspectors/Plans Examiners (BI/PE) Forum Update</u></p> <p>Cheryl Mullis, City of Peoria, will discuss recent events of Building Inspectors/Plans Examiners (BI/PE).</p> | <p>11. For information and discussion.</p> |
| <p>11. <u>Updated MAG Building Codes Committee Membership</u></p> <p>We are requesting that Committee members review Attachment Two, 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>11. For information and discussion.</p> |
| <p>12. <u>Update Survey of Code Adoption</u></p> <p>Attachment Three identifies the codes that member agencies have adopted. Please review this information and provide any</p> | <p>12. For information and discussion.</p> |

updates or corrections to Heidi Pahl.

13. Topics for Future Agendas

Potential topics for the next meeting will be discussed. The next meeting of the MAG Building Codes Committee is scheduled for Wednesday December 17, 2008 at 2:00 p.m. in the Cholla Room of the MAG offices.

14. Adjournment

13. For information and discussion.

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
BUILDING CODES COMMITTEE

October 15, 2008

Maricopa Association of Governments Office
Cholla Room
Phoenix, Arizona

COMMITTEE MEMBERS

Michael Clack, Scottsdale, Chairperson
Ken Sowers, Avondale
Phil Marcotte, Buckeye
*Mike Tibbett, Carefree
*Mike Baxley, Cave Creek
A-Alex Banachowski, Chandler
*Mary Dickson, El Mirage
*Peter Johnson, Fountain Hills
*John Smith, Gila Bend
* Jo Rene DeVeau, Gila River Indian
Community
A-Ray Patten, Gilbert
Bryan Woodcox for Deborah Mazoyer,
Glendale
*Ed Kulik, Goodyear

*Chuck Ransom, Litchfield Park
*Tom Ewers, Maricopa County
*Steven Hether, Mesa
*Bob Lee, Paradise Valley
Cheryl Mullis for Dennis Marks, Peoria
Tom Wandrie, Phoenix
A-Dean Wise, Queen Creek
Forrest Fielder, Surprise
A-Michael Williams, Tempe
A-Dale Crandall for Mario Rochin,
Tolleson
John Stigsell, Youngtown
*Rus Brock, Home Builders Association

OTHERS IN ATTENDANCE

Heidi Pahl, MAG

*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 October 15, 2008 meeting of the MAG Building Codes Committee (BCC) at 2:10 p.m.

2. Introductions

Voting members Alex Banachowski, Ray Patten, Dean Wise, Michael Williams, and proxy Dale Crandall attended via telephone conference call. All members introduced themselves.

3. June 18, 2008 Meeting Minutes

It was moved by Ken Sowers, seconded by Bryan Woodcox and unanimously recommended to approve the June 18, 2008 meeting minutes.

4. Call to the Audience

There were no comments from members of the audience.

5. Comments From the Committee

Forrest Fielder announced that the International Code Council (ICC) Annual Business Meeting (ABM) was a successful event with interesting topics discussed. He noted that some discussions about the ICC 2009 codes were controversial and should provide for future MAG BCC agenda items. Michael Clack concurred.

Michael Clack announced that there will be a full day workshop held October 29, 2008 at ASU Memorial Union in Tempe. He said the workshop is titled, "Going Beyond Code" and is intended for local governments. He said the workshop is free. He said it is sponsored by Southwest Energy Efficiency Program (SWEET). He said that Heidi Pahl would circulate the flyer via e-mail to all MAG BCC members. Mr. Clack noted that the workshop will include green buildings and residential energy efficiency measures. He said the website is www.sweep.org.

Bryan Woodcox said that Glendale received a letter from Salt River Project (SRP) for an electrical clearance in lieu of a city building official providing the clearance. Mr. Woodcox said the letter was originally created for use in rural areas and native communities. He said that Glendale has contacted SRP and SRP said that these letters are not supposed to be used in areas that have building inspectors.

Ken Sowers said that the City of Avondale is going to adopt the 2009 family of I-codes in January 2010 with an effective date of July 2010. Mr. Sowers announced that City of Avondale staff work four ten hour work days and are closed Friday as part of the "Avondale Goes Green" pilot program.

Forrest Fielder mentioned that John Wiles from the University of New Mexico is going to do a solar photovoltaic workshop in the Valley on December 4th or 5th. Mr. Fielder said that Mr. Wiles is an expert in the field of solar photovoltaic. He said he would obtain the details on the workshop and forward them to the MAG BCC.

6. Selected Actions of the MAG Building Codes Committee (BCC) from 1991 to Present

Michael Clack read the agenda item. He said Attachment One contains the table of selected action items 1991 to present. Cheryl Mullis made a motion to discuss the agenda item. Ms. Mullis asked if the items on this list, Selected Actions of the MAG Building Codes Committee (BCC) from 1991 to Present, are effective indefinitely. Michael Clack said the items are effective until they become obsolete.

Ken Sowers said that some of the items in the table are no longer effective as they reference an old set of I-codes. Mr. Sowers gave the example of the 2003 I-codes, Ref# 25 in the table. Mr. Sowers suggested deleting or voiding Ref# 25. Bryan Woodcox commented that he would not like to delete items from this table as it is a resource if someone asks for past codes or historical information. Cheryl Mullis noted that the items contained in the MAG BCC table are important and should not be deleted as it is a valuable resource.

Forrest Fielder asked the purpose of this agenda item. Michael Clack responded that, according to the agenda item, the MAG BCC has been requested to send all committee action items to MAG Management Committee and Regional Council. Heidi Pahl informed that the table is a list of past committee action items and the table is available on the MAG Web site. Forrest Fielder said that there have been very few times the MAG BCC recommended approval of agenda items to the MAG Management Committee. Mr. Fielder said the MAG BCC has passed resolutions. Mr. Fielder said the table is a summary of committee recommendations. Ken Sowers noted that agreeing on items at the MAG BCC is fine, but it is not binding until the building official takes the item(s) to their city/town council for action.

Heidi Pahl explained the MAG committee process for recommending approval of an item. She noted that a MAG technical committee, such as the MAG BCC, cannot vote to approve, adopt, or accept an item as that is the job of the MAG Regional Council. She said the MAG BCC can recommend approval. She noted that the MAG BCC members are most informed about building safety and building codes and that it is at the discretion of the committee to decide whether or not the table should be taken to a higher level MAG committee.

Cheryl Mullis asked about the MAG approval process for the MAG Standard Specifications and Details. Heidi Pahl explained the process. Tom Wandrie asked if individual jurisdictions adopt the Specifications and Details with changes after the MAG Regional Council has approved the document. Heidi Pahl replied yes, the MAG Specifications and Details are approved by MAG, but individual jurisdictions may have amendments to the document.

Michael Clack noted that if the table remains a resource, then every year the committee should update the table to ensure it is relevant and accurate.

Michael Clack said he thinks the table is a resource but is not enforceable at the local level unless the individual jurisdiction wishes.

Tom Wandrie said that there is no reason to bring this table forward to MAG Management Committee as each community adopts its own codes. Ken Sowers said the MAG BCC can discuss items, but that each jurisdiction ultimately approves any items discussed by the MAG BCC.

Bryan Woodcox referred members to the June 2008 MAG BCC meeting minutes, page 4, second paragraph. Mr. Woodcox read the paragraph to the committee, "Bob Lee moved that the MAG BCC generally supports the 2007 supplement to the IRC and these bracing requirements in particular. Ken Sowers seconded, and the motion was unanimously approved. Mr. Lee said that Paradise Valley would recognize this as an alternate means and methods without making a code modification. Michael Clack clarified that the committee endorses the documents but it is still up to the individual jurisdictions to accept these endorsement." Committee members agreed that this is acceptable language and it is the MAG BCC process. He said the MAG BCC is a regional forum to share information, have discussion, and learn about new procedures, codes, materials, etc.

MAG BCC members discussed various terms that could be used for the table, such as endorse, make a resolution, and recommend. Michael Williams said using the word resolution is not advisable because the Tempe city council uses the word resolution to adopt items. Dean Wise read the purpose of the MAG BCC as written on the MAG Web site.

Cheryl Mullis withdrew her original motion. Michael Clack moved to make the table reflect that these are guidelines from the MAG BCC, Ken Sowers seconded, and the motion passed unanimously.

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

Cheryl Mullis distributed information from the August BI/PE meeting. She said she appreciated the good attendance and good discussion of topics at the meeting. Ms. Mullis provided survey results for each agenda item discussed at the meeting. Cheryl Mullis said that the BI/PE forum could address one of the items in Attachment One, namely Service Entry Section (SES) for residential. Tom Wandrie announced that City of Phoenix is in the process of adopting the 2008 National Electric Code (NEC), but currently is using the 2005 NEC. Ken Sowers asked that City of Phoenix amendments to the 2008 NEC be shared with the committee. Tom Wandrie said that would be possible. Ken Sowers suggested the Phoenix amendments to 2008 NEC also be available at the next BI/PE forum.

8. Updated MAG Building Codes Committee Membership

No changes were provided. Michael Clack asked that members forward any changes to Heidi Pahl.

9. Update Survey of Code Adoptions

Alex Banachowski reported that the City of Chandler adopted the 2006 series of I-codes and 2005 NEC effective September 2008. Michael Clack encouraged members to send any code changes to Heidi Pahl.

10. Topics for Future Agendas

Forrest Fielder suggested inviting the Association of Pool and Spa Professionals (APSP) to a future MAG BCC meeting to address entrapment avoidance provisions that are going to be appearing in the 2009 codes. Forrest Fielder said he would make contact with the APSP to arrange for a guest speaker.

John Stigsell asked MAG BCC if they also struggle with the interpretation of ARS 9-467c. Tom Wandrie said the City of Phoenix ensures building additions are compliant with code. Forrest Fielder said Surprise does not require a permit to be obtained for prior work as a condition of issuing a permit for current work. Tom Wandrie said someone can request a permit for things that exist that did not have a prior permit. He added that if new work is compliant it can be built, but what was built in the past needs to be inspected. Bryan Woodcox said Glendale requires residents to get a permit to comply with code on non-compliant add-ons to residential units. Mike Williams said Tempe took the position that this law prohibits them from requiring a permit. Mr. Williams added that Tempe provides the option to go through the permitting process or to hire an engineer to provide an analysis of what exists. He said if there is remedial action recommended then that needs follow through and that is annotated by the City of Tempe. Michael Clack said Scottsdale building officials are finding building additions that had permits but violate the setback requirements. John Stigsell said that the county adds the addition to the residence to the property tax base. Bryan Woodcox said realtors are asking sellers if they have building permits for building changes done at the seller's residence. Michael Clack said this would be a good item to discuss at a future MAG BCC meeting.

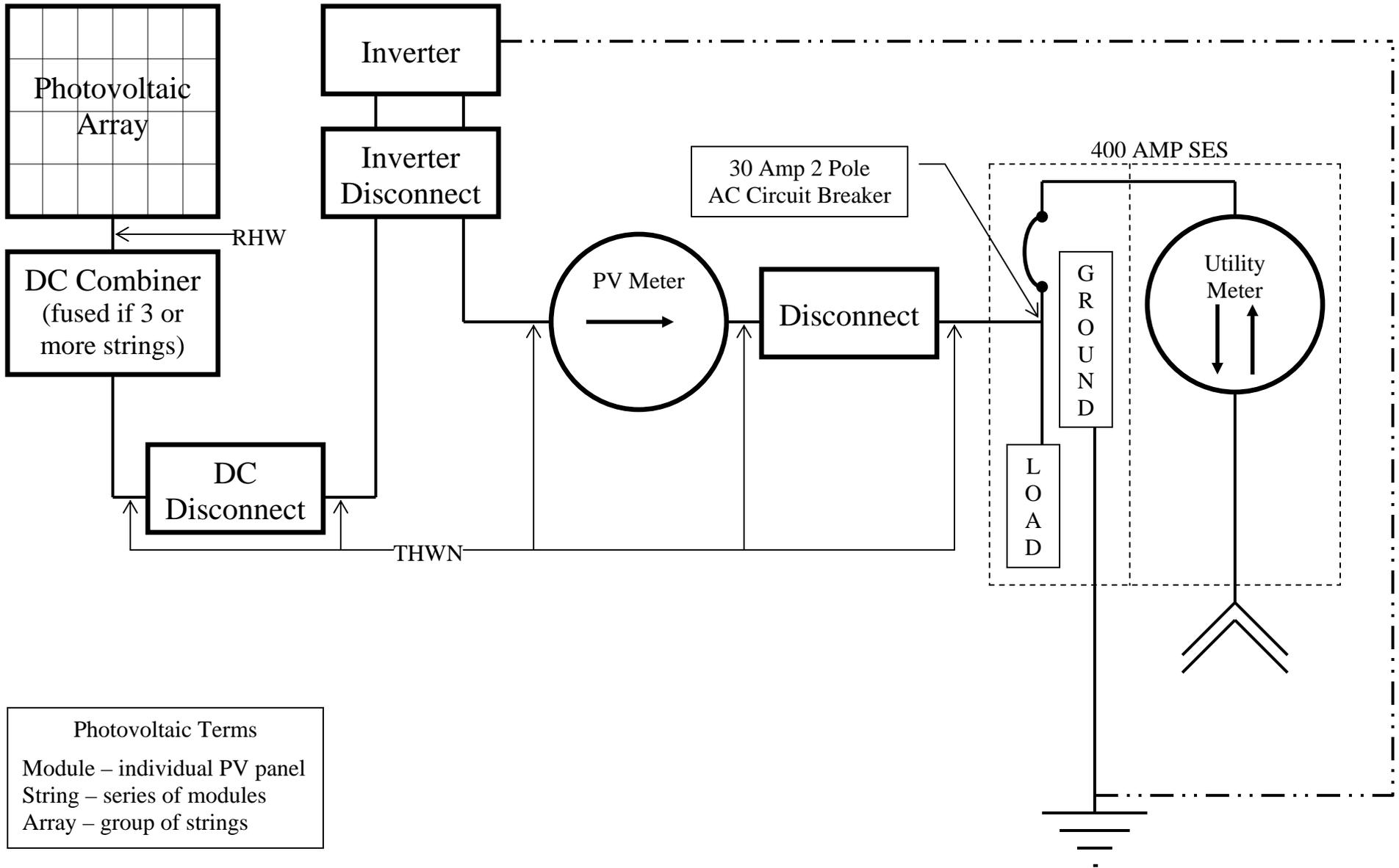
MAG BCC members agreed the topic of solar photovoltaic could be on the agenda for the December 2008 MAG BCC meeting.

Michael Clack asked why the Legislative Update was not an ongoing agenda item. Heidi Pahl noted that the legislature is not currently in session. She said when the legislature resumes she will add the Legislative Update to the agenda. Michael Clack said the legislative updates were informative and helpful.

11. Adjournment

The meeting adjourned at 3:19 p.m.

Photovoltaic One Line Diagram



Photovoltaic Terms
 Module – individual PV panel
 String – series of modules
 Array – group of strings

MAG BUILDING CODES COMMITTEE MEMBERSHIP AS OF
11/12/2008

ATTACHMENT TWO

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	480-816-5129	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
Forrest Fielder	Surprise	623-875-4314	623-875-5049	forrestf@surpriseaz.com
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
Vacant	Wickenburg			
John Stigsell	Youngtown	623-933-8286	623-933-5951	jstigsell@youngtownaz.org
Rus Brock	Home Builders Assn.	602-274-6545	602-234-0442	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
Avondale	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC				2006 Fuel Gas Code. Codes adopted 2/20/07, effective 7/1/07
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
Carefree	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC					
Cave Creek	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC	Ch. 11 IRC Ch. 13 IBC				
Chandler	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC		2006 IFGC		Effective September 28, 2008
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.
Fountain Hills	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2006 IECC				Codes adopted May 15, 2008 with town amendments available on Web site.
Gila Bend	1997 UBC	1997 UMC	1997 UPC	1999 NEC	1997 UBC	1997 UFC					
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
Glendale	2006 IBC	2006 IMC	2006 UPC	2005 NEC	2006 IRC	2003 IFC	None	2006 IEBC			With city amendments.
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					
Litchfield Park	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC (waiting on Avondale)	2006 IECC		2006 IFGC		Adopted 5-21-08
Maricopa County	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	None	None				WITH MAG/AZBO AMENDMENTS effective date of October 5, 2007.

Survey of Code Adoption

Jurisdiction	Building	Mechanical	Plumbing	Electric	Residential	Fire	Energy	Existing Building Code	Fuel	Performance	Notes
Mesa	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	None	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		
Peoria	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC			2006 IFGC		
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	
Queen Creek	2003 IBC	2003 IMC	1994 UPC	2002 NEC	2003 IRC	2003 IFC	References the 2003 IRC Apply				2003 IEC Admin Provisions
Salt River	2003 IBC	2003 IMC	2003 UPC	2002 NEC	2003 IRC	2003 IFC	None				
Scottsdale	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	2007 IECC				Effective date for 2006 IPC is June 30, 2008.
Surprise	2006 IBC	2006 IMC	2006 IPC	2006 IEC w/ 2005 NEC	2006 IRC	2006 IFC	2006 IECC	2006 IEBC	2006 IFGC		Scheduled 7/28/07 effective date.
Tempe	2003 IBC	2003 IMC	1994 UPC	1996 NEC	2003 IRC	2003 IFC	None				2006 IECC under review
Tolleson	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2003 IFC	2006 IECC				2006 Fuel Gas Code, 2006 IPMC, 2006 NEAC. Codes adopted 2/20/07, effective 7/1/07.
Wickenburg	2003 IBC	2003 IMC	2003 IPC	2002 NEC	2003 IMC	2000 UFC	None				
Youngtown	2006 IBC	2006 IMC	2006 IPC	2005 NEC	2006 IRC	2006 IFC	None		2006 IFGC		