

AZBO News



Arizona Building Officials

March 2018

Spring Education Institute

On behalf of the Arizona Building Official's (AZBO) Education Committee we would like to thank you for considering the 2018 Spring Education Institute for your educational needs. AZBO strives to be the Southwest's leader for providing quality building code education to those working in the built environment. For easy reference we have compiled a list of suggested courses for various categories below. These are merely suggested courses, so please feel free to browse and choose from the list below or sign up for any course you prefer.

Code Officials:

105 So you want to be a Building Official

Building Plan Review & Inspections:

101 Tenant Improvements

301 Advanced Means of Egress

305 Mechanical Code: Hoods and Hazards

505 Inspection Skills/Legal

Aspects/Conflict Resolution

Permit Technicians:

203/303 The Complete Permit Technician

403 Front Counter Plan Review

503 IBC Overview for Permit Technicians

102 MEP for Beginners

Code Enforcement:

207 IPMC/IRC certification Review

307A In's and Out's of Code Enforcement Investigations

307B Code Enforcement and Court Preparation

407 Rural Enforcement Inspection Process

Fire Plan Review & Inspections:

106 Plan Reviewing Residential Fire Sprinkler Systems

206 Inspections of Residential Fire Sprinkler Systems

506 Fire Inspection

Energy Plan Review & Inspections:

104 NEC Photovoltaic Plan Review

204 NEC Photovoltaic Inspections

304 Batteries Energy Storage Safety 2 Latest Update

Update Classes:

404/504 2014 NEC

Special Interest:

205 Forensic Engineering

402 Emerging Trends: Tiny Houses, Recycled Building and Building Products

405 ADA for New Construction

408 Building Disasters II: How they Change Codes

508 ADA – Barrier Free Buildings

We hope you found the above list helpful to locate courses fitting your specific educational needs. Please let us know if there is anything we can do for you prior to or during the Education Institute. AZBO is committed to making your educational experience with us the best it can possibly be.

Sincerely,

Michael Baker Co-Chair & **Cindy Sessions** Co-Chair
AZBO Education Committee Members



AZBO News



Arizona Building Officials

March 2018

Rest in Peace Roger Brooks

~Photo from 2011 ~

Roger organized the Bob Fowler Motorcycle Ride held during the
ICC ABM in Phoenix



Riding with Angels



AZBO News



Arizona Building Officials

March 2018

May is ICC Building Safety Month

What will you be doing to participate?

Please send photos and info with your efforts for the next AZBO Newsletter.

Resources available on ICC's website.



Week 1, May 1-5, 2018

Partnering with Code Officials to Build Stronger Safer Communities

Encourage visits to the Building Department so code officials can explain the process. Provide handouts including home safety checklists and benefits of building permits.



Week 2, May 6-12, 2018

Advancing Resilient Communities Through Science & Technology

Science and technology are leading the way for designing and constructing safe, efficient and resilient homes and buildings.



Week 3, May 13-19, 2018

Protecting Communities from Disasters

Make sure families are prepared for natural disaster.
Develop a family disaster plan;
Have an evacuation route;
Know where to take shelter.



Week 4, May 20-26, 2018

Safeguarding Our Water

Prevent Accidents, Save Lives.
Provide a Pool and Spa safety brochure.
Conserve Water.



Week 5, May 27-31, 2018

Improving Education & Training Standards for a Safer Tomorrow

With advancements in technology and new methods for solving age-old problems, the building industry, like many industries, is constantly changing. Education and training are valuable and essential.

AZBO News



Arizona Building Officials

March 2018

State Wide Food Drive

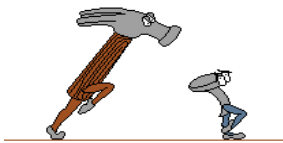
The Arizona Permit Tech Committee is responsible for organizing AZBO Charity Events.

It was voted on to bring back the State Wide Food Drive.

This will take place the month of May to coincide with **ICC's Building Safety Month**.

Each jurisdiction participating will collect non-perishable food items for their local food bank. If your City/Town does not have a food bank, there are County Food Banks to contribute to.

For more information please contact Patti Schechter at patti@brownandassociates.net and she will direct you to the AZPT Food Drive Committee Member coordinating your area.



Let's work together to
N.A.I.L. Hunger
No Area Is Left Hungry



Other News

From **Brian Uthe**, Town of Marana

In the last quarter the Town of Marana has hired a new Building Inspector I – Dave Willet, previously at Pima County. Dave has also just obtained his ICC Residential Building Inspector Certification.

Marana is also in the process of hiring another Building Inspector I; who will be joining the team at the end of the month.

There were 789 SFRs last year, of which, 14 where custom homes; currently the town is issuing 84 SFR permits a month this quarter.



The new Marana Police Department, Hampton Inn, Marana Senior Living, AKDHC Dialyses & Surgery Center, and Villagio Self Storage are currently under construction with La Encantada Apartment Complex, Carondelet Microhospital, Marana K-8 at Dove Mountain (which is an ASTEM school) on the horizon.



AZBO News



Arizona Building Officials

March 2018

From **Randy Westacott**, City of Goodyear:

<p>Congratulations!</p> <p>In the last quarter Robert McCoy, Building Inspector II, City of Goodyear has achieved the following certifications:</p> <p>Residential Fire Sprinkler Inspector/Plans Examiner- RF ICC Residential Mechanical Inspector-M1 ICC Residential Plumbing Inspector-P1 Commercial Building Inspector- B2</p> <p>In the last quarter Lazaro Vietia, Building Plans Examiner, City of Goodyear has achieved his ICC Building Plans Examiner- B3</p> <p>In the last quarter Casey Cunningham, Permit Technician I, City of Goodyear has achieved her ICC Permit Technician</p>	<p>The City of Goodyear is experiencing a large increase in the commercial arena. Two of our more notable additions are the UPS facility on the loop 303 that is expanding to 948,000SF that will have both local and regional distribution, and the Ball can manufacturing plant that is going to be the largest can manufacturing facility in the world.</p> <p>On the residential side of things we are averaging 500+ single family homes under construction at all times. We just finished one apartment complex and have another under construction with two more in the planning stages.</p>	<p>One large challenge we have is meeting ever increasing, or should I say decreasing, construction schedules. We have a great team out here working together to create a safe sustainable community and keep pace with development.</p> <p>Congratulations to the Development Services and Engineering departments for partnering with the development community on these and many more projects.</p> <div data-bbox="1128 1291 1307 1444" data-label="Image"> </div>
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AZBO News



Arizona Building Officials

March 2018

Arizona Permit Techs

Education Update

Our last meeting on March 7th was hosted by the City of Peoria. *Embrace the Chaos ~ How to Juggle Multiple Priorities* was presented by **Cheryl Mullis**. Cheryl shared fantastic information to our group including how she made the transition from Permit Tech to Plans Examiner II; followed by a tour of their facilities. Meeting Minutes to be distributed soon.



Our next meeting will be June 7th hosted by SRP. *Plan Review for Permit Techs* will be presented by **Sharon Bonesteel**. Watch for the Agenda to be distributed early May.

Charity Events

The State Wide Food Drive will be organized by AZPT for AZBO. If you are interested in being on the planning committee please contact patti@brownandassociates.net.

AZBO Fall Education Institute

AZPT will be partnering with the CACICC for *Witches and Warlocks Night Out*, the Wednesday Night Event, held during the Fall Institute. It's never too soon to start planning a costume! Costumes will be encouraged but not required. More information will be distributed when available.



AZBO News



Arizona Building Officials

March 2018

Region XI

From **Brian Uthe**, Town of Marana

Region XI just held one of the bi-annual meetings on March 2nd.

There are now 20 local chapters participating in Region XI of ICC, which consist of the four corner states: Arizona, Colorado, New Mexico, and Utah. As this regional chapter is new and still forming we have just approved our mission statement:

Four Corners Region XI ICC Mission Statement:

Promoting the health, safety and welfare of all people, buildings and properties through quality code development, education, building inspection and code enforcement in a professional and ethical manner

Jack Judd has been appointed Award Committee Chair and **Brian Uthe** is also on the committee.

The Region Board Members have decided to support Jim Brown with his run for ICC Board of Directors Section B and encourage the local and state chapters to support him as well.

Arizona will be the host state next year for the spring meeting; please contact Brian Uthe at buthe@maranaaz.gov if you would like to participate or have any suggestions for locations.

A major topic of discussion was getting youths involved in the building industry and how local chapters can get the ICC high school program implemented.

Region XI completed the proclamation for Building Safety Month and encourage state and local chapters, and jurisdictions to do so for Building Safety Month.



Code Geek

By Bob Lee, Town of Paradise Valley

Building and Inspecting under 2015 IRC

Historically as a jurisdiction moves from an older version of the codes to the newer, the differences are relatively few and the transition is easily managed. There have been a few exceptions like the change from the 1997 UBC to the 2000 I Codes. In some respects the move from the 2012 IRC to the 2015 has been somewhere in the middle, not just a few changes but not monumental either.

Sometimes it is the most innocuous language that creates the biggest stir. 2015 IRC Section N1101.5.1 (R103.2.1) Thermal envelope depiction, states "The building's thermal envelope shall be represented on the construction drawings." And how to do that? The architect or designer is left on their own as there is not a hint in the code. Since the popularity of unvented attics and enclosed rafter spaces has increased under the provisions of Section R806.5, one solution has been to depict the location of the insulation in the section. While this generally works for most areas, a section has to pass through the roofs over the patio so that it is clear that there is an insulated barrier between the attic of the home and that of the patio. But the section does nothing for the separation between the home and the garage. So there we have to go to the plan and the depiction has to show that those two areas are separated with an insulated wall. And how many details are needed to fully convey the thermal envelope? From what I have seen each architect or designer has his or her own opinion or will try to meet with the Building Official to see what would be acceptable to that jurisdiction.

Other times the new code language actually solves a problem. 2015 IRC Section N1102.4.1.2 Testing, "The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding five air changes per hour in Climate Zones 1 and 2", is a case in point. Coupled with Section R303.4 Mechanical ventilation, "Where the air infiltration rate of a *dwelling unit* is 5 air changes per hour, the *dwelling unit* shall be provided with whole-house mechanical ventilation in accordance with Section M1507.3."

Home theaters are popular and the exclusion of any light is sometimes obtained by not having any windows. While that may be cheaper and more absolute than drapes, it does create issues with the Natural Ventilation requirements of R303.1. Under older codes the ventilation was an issue. Now with the whole-house mechanical ventilation requirement, it is solved.

AZBO News



Arizona Building Officials

March 2018

While we routinely think of the codes as always getting increasingly stricter, that isn't always the case. The old definition of a hazardous location for tempered glazing beside a door was for any glazing within a 24-inch arch of a door in the closed position. This applied to glazing in walls in line with the door or perpendicular to it. Now in the 2015 IRC Section R308.4.2 Glazing adjacent to doors, the hazardous location is limited to glazing on the hinge side of in-swinging doors when the wall is perpendicular to the door in a closed position.

Another expanded and mandatory requirement in the energy provisions of the 2015 IRC is in Section N 1103.5 Service hot water systems. With each code cycle the requirements for heated water circulation and temperature maintenance systems get more specific. Now the circulation pumps must be automatic when demand is identified and shut off when there is no demand. Of course, the electrical requirements in the IRC don't escape revisions either. New Sections E3902.9 and E3902.10 require that receptacles in laundry areas and for dishwashers be ground-fault-interrupter protected. And the requirements for arc-fault circuit interrupter protection has been greatly expand.

And there are other changes too!



Nominate Your Peers

13 awards are up for grabs! Nominate your peers who you feel have earned an AZBO Award over the past year in the following categories:

Building Official of the Year
Building Inspector of the Year
Plan Reviewer of the Year
Permit Technician of the Year
Member of the Year
Award of Excellence
Achievement in Code Development



Brent Snyder Memorial Award
Achievement in Education
Award of Merit
Special Services Award
Administrative Assistant of the Year
Companion of the Year

Nomination form follows the last page of this Newsletter; also available on AZBO's website. Send completed nomination forms to info@azbo.us.

March 2018

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AZBO News



Arizona Building Officials

March 2018

AZBO ANNUAL SPONSORS

Confirmed for 2018:



In process for 2018:



Pending confirmation for 2018:





AZBO
ARIZONA BUILDING OFFICIALS
25th Annual Business Meeting
Dinner and Awards Ceremony
July 2018
Prescott, AZ



Nominate your peers who you believe have gone above and beyond.

Deadline: June 15, 2018

Check **one box only** for award nominations:
See Page 2 for descriptions of awards

- ☐ Building Official of the Year
- ☐ Building Inspector of the Year
- ☐ Plan Reviewer of the Year
- ☐ Permit Technician of the Year
- ☐ Member of the Year
- ☐ Award of Excellence
- ☐ Achievement in Code Development
- ☐ Brent Snyder Memorial Award
- ☐ Achievement in Education
- ☐ Award of Merit
- ☐ Special Services Award
- ☐ Administrative Assistant of the Year
- ☐ Companion of the Year

I Nominate (name and jurisdiction/company):
Name

Jurisdiction/Company Name

Chapter: ☐ Grand Canyon
☐ Central
☐ Southern

Nominated By (name and jurisdiction/company):
Name

Jurisdiction/Company Name

Phone Number

Reason for Nomination (include a short paragraph supporting your decision to nominate this person)

Submit nominations to: info@azbo.us

Building Official of the Year "In honor and memory of Pat Trueblood" for her long term unselfish contributions to AZBO"	<ul style="list-style-type: none"> • Contributions/participation to AZBO. • Helpful to fellow members on our industry. • Personal Professional Development. • Promotion of Building Code Enforcement as a desirable and important career.
Building Inspector of the Year "In honor and memory of Robert Graffius"	<ul style="list-style-type: none"> • Outstanding achievement in the field of Building Inspection. • Contributions/participation to AZBO. • Helpfulness to fellow Inspectors. • Personal Professional Development.
Plan Reviewer of the Year "In Honor of Don Cunningham"	<ul style="list-style-type: none"> • Outstanding achievement in the field of Building Plan Review. • Helpfulness to the public and fellow inspectors. • Personal Professional Development.
Permit Technician of the Year	<ul style="list-style-type: none"> • Outstanding achievement in the profession of Permit Technician. • Contributions/participation involving AZBO either directly or indirectly through support. • Helpfulness to fellow Permit Technicians and Code Official. • Participation, leadership and involvement in career related committees or functions. • Personal Professional Development.
Member of the Year	<ul style="list-style-type: none"> • Outstanding personal contributions to the work of AZBO. • Active participation at AZBO and/or local Chapter level.
Award of Excellence "In honor of Alan Olson" for his professional, patient, persistent devotion to the service of AZBO, locally and nationally"	<ul style="list-style-type: none"> • Contributions/participations to AZBO. • Helpfulness to fellow members of our industry. • Personal Professional Development. • Participation in ICC code development process. • Promotion of Building Code Enforcement as a desirable and important career.
Achievement in Code Development "In honor and memory of Forrest Fielder" for his dedication to Code Development and inspiration to his peers.	<ul style="list-style-type: none"> • For outstanding contributions in the Code Development process. • Outstanding personal contributions to the work of AZBO.
Brent Snyder Memorial Award "For excellence in the promotion of education"	<ul style="list-style-type: none"> • For continuous dedication to the education of our Inspectors, Code Officials, Plans Examiners and Permit Technicians. • For leadership in the promotion and participation in the Spring and Fall Institutes. • For countless hours of devotion to the Institutes.
Achievement in Education	<ul style="list-style-type: none"> • For the promotion of education of Building Safety professionals with in-house training and/or Chapter member programs. • Personal Professional Development.

Award of Merit	<ul style="list-style-type: none"> • For meritorious service to the Building Safety Community. • Outstanding personal contributions to the work of AZBO.
Special Service Award	<ul style="list-style-type: none"> • Promoting AZBO above and beyond job description responsibilities. • For influencing participation of others for the good of the cause.
Administrative Assistant of the Year	<ul style="list-style-type: none"> • For outstanding support of the Building Department staff. • For achievement in personal professional development.
Companion of the Year	<ul style="list-style-type: none"> • Outstanding support to their spouse who is an active member of AZBO. • Outstanding personal contributions to the work of AZBO.
Chairman's Award (as allocated by the AZBO Chair)	<ul style="list-style-type: none"> • Outstanding continuing contributions to the work of AZBO and support of the AZBO Chair. • Outstanding single contribution to the work of AZBO.