Opinions expressed in the Beehive Newsletter are not necessarily those of the Beehive Chapter ICC.

As George Williams demonstrated to the Chapter in his presentation of the findings of his research, we need to find or create help somewhere. I know that growing up I never once said “I want to be a Building Official when I grow up”, I didn’t even know what that meant and didn’t learn what it meant until I was in college earning a degree in construction management.

While in construction management I decided to take additional courses related to code and obtained some certifications. My formal education gave me a great understanding of construction and enough knowledge of the code to get me into trouble. While working on my bachelor’s degree I had the opportunity to go to work part...

(CONTINUED ON NEXT PAGE)
BOARD ARTICLE

(Continued)

After graduating with a bachelor’s degree in construction management I found myself weighing my options: go to work full time at Salem City or go to work in construction away from my family. It was an easy decision, and of course would be an easy decision working for someone as great as Dave. I decided to make building code enforcement my career; it allowed me to utilize my degree and also gave me opportunity to do the things I love such as farm and ranch.

I experienced the lack of certified individuals after a year-long open recruitment for a building inspector while at Park City. I received permission to start a Building Inspector Mentorship program in hopes to find and train some good candidates. The program was designed as an independent study program that allowed participants the resources of the Building Department to obtain certifications and training. Out of that program I hired a very good candidate that has become a great inspector. I also had several other participants that obtained certifications and are working in the industry.

I share with you this story to illustrate that everyone in the chapter and the industry has an opportunity to help the industry, our profession and maybe some people that don’t even know what we are about or where to start. Although there are few options of formal education preparing people for a career in building code enforcement there are many creative solutions. I encourage everyone to reach out to those that you may think would be interested or that you think would enjoy a career in building code enforcement and try to spark their interest.

For those attending the Conference we will see you there, for those not attending we hope to see you at our next monthly meeting.

Sincerely,

George Reid
Chapter 1st Vice President

CONFORMITY CORNER  By: Jared Bringhurst

Using Photos Rather than Re-inspection

What jurisdictions are allowing contractors to send a photo of work done or changes made to expedite the approval?

Are they allowing this with any contractor or just well known contractors they have worked with before?

Are there any other stipulations that they are requiring - photo shows address, photo shows some identifiable mark, etc.?

Personally in Mapleton I have allowed certain contractors to send a photo to save time for items that are easily identifiable. Spot footings, Temp barriers, etc.

We will discuss this item at the May Monthly Chapter meeting.
### CALENDAR ITEMS

#### APRIL 2016

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#### MAY 2016

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Reprinted from the February 2016 Edition of the “Building Safety Journal” with permission from ICC.

In the Absence of Code Enforcement, Disaster in Chennai

By: Lynn Underwood, MCP, CBO

Imagine having the opportunity to witness a natural disaster, in which devastation could have been largely mitigated by proper application of building codes each of us already enforces in our jurisdictions.

Chennai, India, better known as Madras, is the capital of the state of Tamil Nadu. It is the gateway to southern India and boasts the largest industrial and commercial center in southern India. With almost 10 million people, Madras is one of the most densely populated cities in the world. It is a spectacular city—most of the year.

Heavy rains set records in November 2015 with 1,218 mm, or nearly 49 inches. Continuing rain into December led to the natural disaster I observed. I had planned to take the five-hour train ride to an ashram, a Hindu spiritual center, in Tiruvannamalai. But when I arrived in Chennai, transportation was almost at a standstill. Few taxis were operating, and all outbound trains were stopped. Metro trains were spotty and unpredictable. I arrived at my hotel and walked in through knee-deep water. That night, rain continued, giving the city another dubious record of 374 mm—nearly 15 inches—in 24 hours, a 100-year rainfall event.

But the aftermath was when the real disaster occurred.

The next morning, I walked about a kilometer around the hotel and took some pictures. It was a spectacle. Trees were down in the street. Power lines were strewn over sidewalks crowded with people. Police and the military were attempting the impossible task of keeping order. Debris and feces were floating like fotsam in standing water in the streets.

A three-legged dog hopped along the edge of the street looking for shelter. Some people were just lying in the verge between the street and the sidewalk. I talked with a lot of people who lived in the area. It was clearly the worst flooding most of them had ever seen.

It occurred to me the primary difference between Chennai and cities where we work and live are the building and free codes we enforce every day. The planning efforts enforced, the regulations kept and the codes we promulgate keep us more resilient, more able to bounce back after a disaster.

Limited enforcement of any planning rules was common. An estimated 150,000 illegal structures are presently in the city. Encroachments crept into waterways that had dried and appeared to be buildable.

Chennai Airport was built in a flood basin of the Adyar River. The 400-km (249mile) Buckingham Canal, built by the British, serves as a drainage area, but was partially blocked by a rapid-transit project. Retention ponds have been transformed into IT parks, shopping malls and residential communities.

By one estimate, concrete roads and urbanization caused over 90 percent of the rainfall runoff to divert to the few storm drains of the city, instead of being absorbed into the ground. That resulted in storm drains, doubling as sanitary drains in some locations, to overflow, causing bridges to fail and dams to break.

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Some of our citizens may fuss about too many regulations. But the next time they do, remind them of the things they take for granted: flood control, seismic safety, structural integrity, and reliable electrical service in their community.

What we do makes a difference!
Beehive Chapter of ICC

Annual Spring Training

April 18-20, 2016

Utah Valley Convention Center
220 W. Center Street
Provo, Utah 84601

Partial funding for this conference has been provided by the Utah Division of Occupational & Professional Licensing (DOPL) from the 1% surcharge funds on all building permits.
Dear Beehive Chapter Members, Associates, and Friends:

The Beehive Chapter Board would like to extend an invitation to each of you to join us at our Annual Beehive Chapter Education and Training Conference. The Board has worked hard to put together a great conference this year. Due to positive feedback from attendees the conference will again be held at the Utah Valley Convention Center. It is a state-of-the-art facility with a professional staff that is committed to making our conference the best ever.

As the state will likely be adopting the 2015 codes as of July 1, 2016, we have planned our conference accordingly to provide you with the necessary update classes provided by some of the best national and local instructors available. All classes have been approved by ICC and each attendee will receive preferred provider education credits.

This year we have chosen to provide breakfast in addition to lunch each day in addition to improving what is provided during the breaks. We welcome you and look forward to seeing you at this year’s Beehive Chapter Annual Education and Training Conference.

Chris Kimball
Beehive Chapter President

About our Annual Spring Training

- Registration will begin at 7:30 A.M. each day with classes will begin promptly at 8:00 A.M.
- Learn from both national and local experts on several topics related to the State of Utah adopted codes.
- Breakfast, lunch, and refreshments during breaks will be provided.
- Partial funding for this conference has been provided by the Division of Occupational & Professional Licensing (DOPL) from the 1% surcharge funds from all building permits.
2015 IBC SIGNIFICANT CHANGES (By: Doug Thornburg)
This seminar reviews and analyzes selected significant changes from the 2012 International Building Code (IBC) to the 2015 IBC. It familiarizes building officials, fire officials, plans examiners, inspectors, and design professionals with many of the significant changes in the 2015 IBC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance, or change in application. This course uses the Significant Changes to the International Building Code 2015 Edition.

2015 IECC UPDATES (By: Brent Ursenbach)
This course will review the 2015 IECC, including any amendments adopted by the State of Utah. Also expect a lively discussion regarding frequent challenges and questions in meeting the requirements of the IECC. Specific areas of discussion include: 2015 IECC major changes, Increased Envelope Leakage Visual Inspection and Testing requirements, Definition of a residential or commercial building in the IECC, Climate zones, State amendments, Compliance options (prescriptive, trade off, performance, ERI/HER rating, and Utah specific- the last two being new options), Building thermal envelope (insulation, windows and doors, air leakage), Mechanical systems, Commissioning, Renewable energy, Lighting, Plus any surprises coming out the Legislative Session!

LEGAL ASPECTS OF CODE ADMINISTRATION
(By: Robert Church)
This course provides code officials with guidelines for administering the legal aspects of codes with regard to enforcement, prosecution, and maintenance. In this course participants will discuss historical consequences of ignoring the regulation of building construction and materials, and learn how to interpret and apply local government, state, and federal legislative laws pertaining to the administration and enforcement of a building code.
2015 IRC SIGNIFICANT CHANGES (By: John Gibson)
This seminar reviews and analyzes selected significant changes from the 2012 International Residential Code (IRC) to the 2015 IRC. It familiarizes building officials, fire officials, plans examiners, inspectors, and design professionals with many of the significant changes in the 2015 IRC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance, or change in application. This course uses the Significant Changes to the International Residential Code 2015 Edition.

2014 NEC UPDATE (By: Ryan Jackson)
There were over 5,000 proposals and 3,000 public comments submitted to create the over 500 changes in the 2014 edition of the National Electrical Code. Join Ryan Jackson as he explains the most important of these changes. This class will focus primarily on Chapters one through four of the NEC, which cover all installations. Chapters five through nine will be discussed briefly, as they relate to specialized installations.

FIRE PLAN REVIEWS & INSPECTIONS (By: Scott Adams)
This course will assist the Fire Code Official on the numerous provisions in the 2012 International Fire Code (IFC) applicable to the design, construction, operations, storage, use and handling that may occur within a tenant improvement (TI). This course will address how to do the plan review to identify those areas to gain compliance with the IFC, and to identify and apply the means of egress requirements, identify the occupancy type of a building. This course will also address the process for conducting the fire inspection for the TI, following the provisions and requirements of the 2012 IFC, specifically to determine whether the materials, design, construction, installation, and location of building components comply with the code, and to also explain the importance and benefits of a fire inspections, describe the various types of commercial fire inspections and how to perform the commercial fire inspection for the TI process.
2015 IPC/IMC/IFGC SIGNIFICANT CHANGES (By: Sam Dardano)
Overviews the changes from the 2012 to the 2015 International Plumbing Code®, 2015 International Mechanical Code®, and 2015 International Fuel Gas Code®. This course identifies changes in organization and code requirements and the applicability of these requirements to design, plan review, inspection, and uses the Significant Changes to the International Plumbing Code, International Mechanical Code and International Fuel Gas Code 2015 Edition.

2014 NEC – SOLAR PHOTOVOLTAIC SYSTEMS (By: Doug Smith)
This course is designed to help provide the essentials for a better understanding of how and where the codes address solar photovoltaic (PV) systems. This course will cover the fundamental code requirements of both residential and commercial PV systems. It is designed to start with the basics of photovoltaic requirements and lead the attendees step by step into more difficult concepts while simplifying the requirements. Hands on example components will be presented to help explain some of the code requirements concerning PV systems. This class is designed to aid inspectors, electricians, and design professionals in the plan review process of PV systems.

2015 IEBC OVERVIEW (By: Chris Kimball)
The 2015 International Building Code (IBC) no longer has provisions to address existing buildings and instead now refers to the 2015 International Existing Building Code (IEBC) for existing building requirements. This class provides an introduction to the IEBC. It clarifies how the how the code is laid out and provides specific guidelines for how to use the book. Specific guidelines addressing mandatory structural, fire safety, and accessibility triggers will be discussed. Requirements for repairs, alterations, additions, moved structures, and historic structures will be addressed.

Sponsors/Vendors
This year’s conference will have more vendors than ever! Please remember that these vendors pay to be there and help sponsor our conference and keep our fees down. Please stop by their booths and learn about their products and services. Attendees that are able to visit with each sponsor will be entered into a drawing for prizes on the last day of the conference.
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*C.E.U. CERTIFICATES AWARDED *

Persons requiring assistance due to disabilities, please contact John Little at (801) 804-4542 by April 2, 2016 so proper accommodations can be made.

**Daily Schedule** ➔ Registration: 7:30 A.M.; AM Classes: 8:00-Noon; Lunch: 12:00-1:00 P.M.; PM Classes: 1:00-5:00 P.M.; Breaks: 10:00 A.M. & 3:00 P.M.
# BEEHIVE CHAPTER OF ICC

**ANNUAL SPRING TRAINING**

**UTAH VALLEY CONVENTION CENTER** – **PROVO, UT**

**APRIL 18 - 20, 2016**

*C.E.U. CERTIFICATES AWARDED FOR ALL CLASSES *

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- **Breaks:** 10:00 A.M. & 3:00 P.M.

*C.E.U. CERTIFICATES AWARDED FOR ALL CLASSES *
**Ryan Jackson** is an ICC certified combination inspector. At the age of 23 Ryan landed his first job as an electrical inspector, and subsequently became certified in building, plumbing, and mechanical inspection (commercial and residential), as well as building and electrical plan review. He is a nationally recognized electrical code expert, instructor, and author. He has been involved in writing and editing books on the National Electrical Code, and has taught the subject in multiple states and for multiple colleges and universities.

**Doug Smith, MCP, CBO** has worked in the building safety and construction industries for more than 17 years. He is an ICC Master Code Professional, Certified Building Official, Combination Commercial Plans Examiner, Combination Inspector, Residential Plans Examiner, Accessibility Inspector/Plans Examiner, Fire I and II Inspector, Fire Plans Examiner, and Energy Plans Examiner. Doug is considered an expert on photovoltaic (PV) code requirements and has taught many classes on the subject. He has also developed a variety of template checklists to help the enforcement community better review and inspect PV systems.

**Chris Kimball, SE, MCP, CBO** is the regional manager for Kimball Engineering. He is a licensed structural engineer, and is an ICC certified master code professional, building official, combination plans examiner and combination building inspector. He has performed plan reviews for thousands of projects throughout Utah, Wyoming, Nevada, California, Arizona, and Texas. In addition, Chris has provided numerous training classes to help design professionals, building officials, and contractors alike to understand the requirements of the adopted building codes.

**Sam Dardano** has been in the HVAC industry for 47 years. For 10 years he served as the President of the Colorado Association of Plumbing and Mechanical Officials. He was a Mechanical Plan examiner and the Chief Mechanical Inspector for the City of Boulder, Colorado. He is a past member of the IMC Interpretation Committee and the IMC Code Change Committee. Currently, he teaches entry to advanced level mechanical courses and holds 13 ICC Certifications.
Doug Thornburg is a senior staff architect with ICC. His currently serves as the Secretariat for the ICC A117.1 standard committee and has previously served on ICC’s Energy Conservation Code and Fire Safety Code Development committees. With more than 25 years of experience in building design, construction, code enforcement and instruction, Jay’s experience provides him with the ability to communicate effectively on issues of code application and design for code enforcement personnel as well as architects and designers.

John Gibson is ICC’s technical manager over education and received the 2010 ICC Educator of the Year Award. John is a full-time instructor and technical advisor for ICC, an online instructor for Red Rocks Community College, and a teacher at the United States Fire Administration's National Fire Academy. He holds 40 professional certifications, previously was the Director of the Department of Permits and Inspections for Frederick County, Maryland, and is an honorary member of ICC and the Maryland Building Officials Association.

Scott Adams currently serves as the Assistant Fire Chief for the Park City Fire Service District and has a bachelor’s degree in Fire Protection Engineering. Chief Adams currently serves on the ICC Fire Service Membership Council, ICC Western Regional Fire Code Action Committee, Technical Committee member on the NFPA-1 Fire Prevention Code, NFPA-101 Life Safety Assembly Occupancy Committee, and NFPA Fire Test Committee. He is ICC certified as a Fire Inspector II and Building Plans Examiner.

Robert Church is the current Director of the Utah Prosecution Council (UPC). He and his staff are responsible for the legal training of all the prosecutors in the state. He provides 8-10 major conferences a year as well as conducts regional training across the state. Prior to that, Bob was a prosecutor for the City of Orem for almost 18 years. In addition to the criminal cases he prosecuted, he handled all the code enforcement cases as well as worked closely with the building department. He has taught several ICC classes on the legal aspects of the code.
The Conference will be held on the third floor of the Utah Valley Convention Center located at 220 West Center Street in Provo, Utah. Free parking is located behind the conference center as shown in the picture at the bottom of this page. Please see below for driving directions to the conference center.

From Salt Lake
- Take Interstate I-15 South
- Take Center Street (Exit 265) toward Provo, and stay straight to go onto Center Street.
- The Convention Center will be on the left.

From St. George
- Take Interstate I-15 North toward Salt Lake
- Take Center Street (Exit 265) toward Provo, and stay straight to go onto Center Street.
- The Convention Center will be on the left.
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The Beehive Chapter is an approved ICC Preferred Provider. As such, all attendees will be able to obtain preferred provider continuing education credits towards the renewal of their ICC certifications.

Registration for this year’s conference must be completed online. The links below allow you to either pay using a check or to pay online using a credit card. Please be aware that you must register each participant separately. The cost for registration is $85.00 per day or $225.00 for all three days. Fee includes classes, associated handouts, catered lunch, and two breaks each day.

Registration Link: https://form.jotform.com/53352732622148

Please be aware that you will need to input the class numbers you are planning on attending (see the schedule in the middle of this packet). We are no longer able to provide CEU’s to General Contractors, but other contractors (i.e. Electrical, Mechanical, Plumbing, etc.) will need to input their state license information on the registration page for their CEU’s.

If paying by check, after registering online, please make your check payable to the Beehive Chapter and mail your registration to…

Beehive Chapter Registration
Attn: Paul Ashton, Treasurer
56 North State Street
Orem, Utah 84057

For questions please email Paul Ashton at paul@beehiveicc.org.
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