

Colorado Association of Permit Technicians

TECH TALK



October 2011

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nmontgom@cityofwestminster.us

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Darla Brooks
County of Arapahoe
720-874-6609
dbrooks@co.arapahoe.co.us

We're on the web
www.cocapt.com

A Message From Our President

Hope everyone had a wonderful summer. Fall is here and winter is quickly approaching. We have one last training set up for November which is also the Annual Business Meeting.

We have an excellent speaker coming in to discuss something I think we all can relate to as we are asked to do more and more each day with less resources and staff "Job Burnout". Discover the signs and what you can do when your job begins to affect your health and happiness.

We are offering this meeting **FREE** to the membership, including breakfast and lunch, with a non perishable food and/or toiletry donation for the Food Drive. All donations will be given to FISH of Westminster (a local food bank).

Nicole Montgomery



CAPT

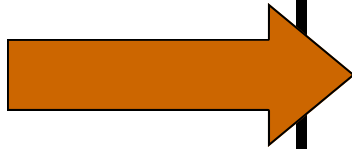
Annual Business Meeting
November 16, 2011
City of Westminster

Training
Election of Officers
Membership Appreciation

NEXT CAPT MEETING

Wednesday, November 16, 2011
Hosted by City of Westminster
8:00 am—2:00 pm

Westminster Recreation Center
Community Room
10455 Sheridan Blvd
Westminster CO



AGENDA

"JOB BURNOUT"

Presented by Paula Freidland

LUNCHEON
ELECTION OF OFFICERS
ANNUAL BUSINESS MEETING

Food Drive

Bring your
canned food
items and/or
toiletry items for
distribution to a
local food bank.



Please RSVP to:

Darla Brooks, CAPT Program Chair
720-874-6609 or
dbrooks@co.arapahoe.co.us

Registration Fee: **FREE for all CAPT members** with a food or toiletry donation for the annual food drive.

Non-members \$35 or join CAPT for 2012 at the registration table for \$25. Cash or check payable to CAPT at the door.

(Registration Fee Includes
Breakfast, Lunch, Instructional
Materials and is Non-refundable)

2012 SLATE OF OFFICERS

President—Darla Brooks
Vice President—Melinda Helmer
Treasurer—Ann Freiberg
Past President—Nicole Montgomery

Directors

Kimberly Segura Bates
Debe Wixson

Vacant—see below

If you are interested in serving as a Director, there is an opening for the 2012 CAPT board, please fill out the application on page 8 of this newsletter and email to Bonnie Muhigirwa by October 31, 2011.

DON'T MISS OUT ON THIS GREAT OPPORTUNITY!

PHOENIX
ICG 2011 ANNUAL CONFERENCE

<http://s3.goeshow.com/icc/annual/2011/index.cfm>

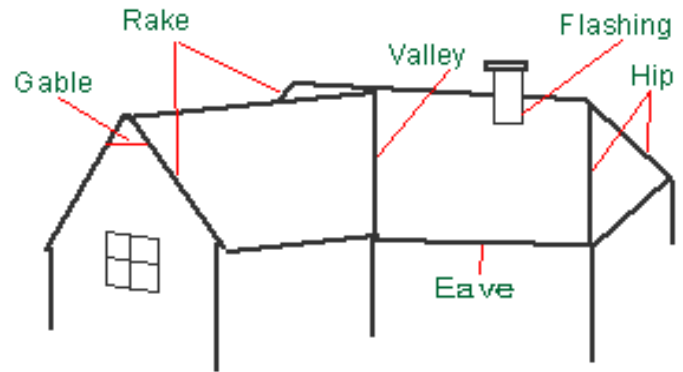
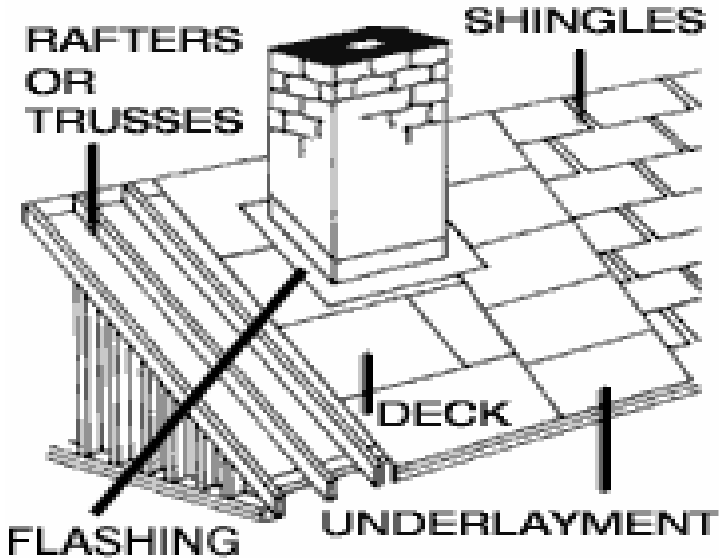
**International Code
Council 2011 Annual
Conference and Final
Action Hearings,**

October 30 – November 6,
at the Phoenix Convention
Center

TALK OF THE TRADE



Roofing Terms



Energy Terms

A watt is a measure of electricity. If you have 10, 100-watt bulbs all on at the same time, the “demand” or instantaneous measure of the power required for the job, is 1,000 watts, also called 1 kilowatt, or kW. If you keep them lit for one full hour, you have used 1,000 watt-hours of electricity, also called a kilowatthour or kWh. The typical American home uses about 840 kWh per month.

Megawatt: One megawatt equals one million watts, or 1,000 kilowatts, roughly enough electricity for the instantaneous demand of 750 homes at once. That number fluctuates (some say one megawatt is enough for 1,000 homes) because electrical demand changes based on the season, the time of day, and other factors.

Gigawatt: You guessed it, one billion watts.

Voltage: Hard to describe, but just as it takes pressure to move water through a pipe, it takes voltage to move electricity across a wire. Transmission lines usually carry power at 500, 230 or 115 kV. It is “stepped down” into lower voltage (69 kV and lower) by transformers at substations and along distribution lines for final delivery to homes and businesses. It comes into your house at 220 volts, and most of your household plugs carry 110 volts.



Capacity: How much electricity an electrical facility can carry or generate. Usually applied to generators, transmission lines, substation equipment and distribution lines.

Energy vs Capacity: If you’re filling up a bucket with water from a garden hose, the amount of water moving through the hose is the “energy” or wattage, and the water pressure inside the hose is the voltage. The size of the hose is the capacity.

JULY 2011 CAPT MEETING

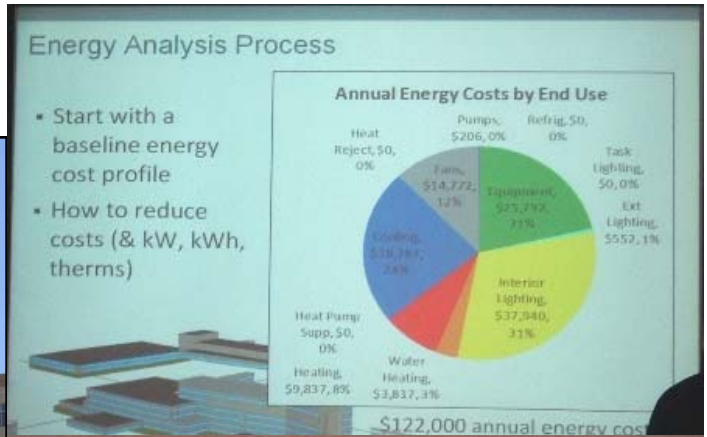
A huge thank you to
JEFFERSON COUNTY for hosting
the July CAPT meeting.



Thank you to program speakers, Derek Shockley and Aleka Pappas from Xcel Energy and Dan Weed, Town of Castle Rock. Special thanks to Colorado Code Consulting LLC for lending us Dan for the day.

“Xcel Energy Rebates”

“Update on the 2009 IRC”



R101.2
Scope

- Exception:
Live/work units complying with the requirements of Section 419 of the International Building Code shall be permitted to be built as one and two-family dwellings or townhouses. Fire suppression required by Section 419.5 of the International Building Code when constructed under the International Residential Code for One- and Two-family Dwellings shall conform to Section 903.3.1.3 of the International Building Code.

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Do not follow where the path may lead.
Go instead where there is no path and leave a trail.

Harold R. McAlindon

DID YOU KNOW



Winterizing Your Home and Saving Energy

1) Furnace Inspection

- Call an HVAC professional to inspect your furnace and clean ducts.
- Stock up on furnace filters and change them monthly.
- Consider switching out your thermostat for a programmable thermostat.
- If your home is heated by a hot-water radiator, bleed the valves by opening them slightly and when water appears, close them.
- Remove all flammable material from the area surrounding your furnace.

2) Get the Fireplace Ready

- Cap or screen the top of the chimney to keep out rodents and birds.
- If the chimney hasn't been cleaned for a while, call a chimney sweep to remove soot and creosote.
- Buy firewood or chop wood. Store it in a dry place away from the exterior of your home.
- Inspect the fireplace damper for proper opening and closing.
- Check the mortar between bricks and tuckpoint, if necessary.

3) Check the Exterior, Doors and Windows

- Inspect exterior for crevice cracks and exposed entry points around pipes; seal them.
- Use weatherstripping around doors to prevent cold air from entering the home and caulk windows.
- Replace cracked glass in windows and, if you end up replacing the entire window, prime and paint exposed wood.
- If your home has a basement, consider protecting its window wells by covering them with plastic shields.
- Switch out summer screens with glass replacements from storage. If you have storm windows, install them.

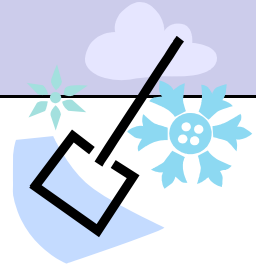
4) Inspect Roof, Gutters & Downspouts

- If your weather temperature will fall below 32 degrees in the winter, adding extra insulation to the attic will prevent warm air from creeping to your roof and causing ice dams.
- Check flashing to ensure water cannot enter the home.
- Replace worn roof shingles or tiles.
- Clean out the gutters and use a hose to spray water down the downspouts to clear away debris. Consider installing leaf guards on the gutters or extensions on the downspouts to direct water away from the home.

5) Service Weather-Specific Equipment

- Drain gas from lawnmowers.
- Service or tune-up snow blowers.
- Replace worn rakes and snow shovels.
- Clean, dry and store summer gardening equipment.

DID YOU KNOW



Winterizing Your Home and Saving Energy (cont)

6) Check Foundations

- Rake away all debris and edible vegetation from the foundation.
- Seal up entry points to keep small animals from crawling under the house.
- Tuckpoint or seal foundation cracks. Mice can slip through space as thin as a dime.
- Inspect sill plates for dry rot or pest infestation.
- Secure crawlspace entrances.

7) Install Smoke and Carbon Monoxide Detectors

- Some cities require a smoke detector in every room.
- Buy extra smoke detector batteries and change them when daylight savings ends.
- Test smoke and carbon monoxide detectors to make sure they work.
- Buy a fire extinguisher or replace an extinguisher older than 10 years.

8) Prevent Plumbing Freezes

- Locate your water main in the event you need to shut it off in an emergency.
- Drain all garden hoses.
- Insulate exposed plumbing pipes.
- Drain air conditioner pipes and, if your AC has a water shut-off valve, turn it off.
- If you go on vacation, leave the heat on, set to at least 55 degrees.

9) Prepare Landscaping & Outdoor Surfaces

- Trim trees if branches hang too close to the house or electrical wires.
- Ask a gardener when your trees should be pruned to prevent winter injury.
- Plant spring flower bulbs and lift bulbs that cannot winter over such as dahlias in areas where the ground freezes.
- Seal driveways, brick patios and wood decks.
- Don't automatically remove dead vegetation from gardens as some provide attractive scenery in an otherwise dreary, snow-drenched yard.
- Move sensitive potted plants indoors or to a sheltered area.

10) Prepare an Emergency Kit

- Buy indoor candles and matches / lighter for use during a power shortage.
- Find the phone numbers for your utility companies and tape them near your phone or inside the phone book.
- Buy a battery back-up to protect your computer and sensitive electronic equipment.
- Store extra bottled water and non-perishable food supplies (including pet food, if you have a pet), blankets and a first-aid kit in a dry and easy-to-access location.
- Prepare an evacuation plan in the event of an emergency.

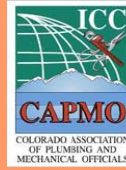
WHAT'S HAPPENING



Colorado Chapter of the International Code Council

Next Meeting October 14, 2011
Delta, Colorado

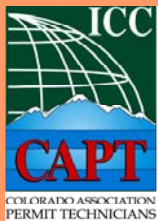
Visit: www.coloradochaptericc.org for
meeting agenda, map and information.



Colorado Association of Plumbing and Mechanical Officials

Next meeting November 17, 2011
Jefferson County

Sam Dardano, President
samdardanojr@msn.com
303-912-7008



Colorado Association Permit Technicians 2012 Meetings

March 5-9, 2012 Educational Institute
May 16, 2012—City of Longmont
July 18, 2012—City of Black Hawk
November 14, 2012—Arapahoe County



ICC CONTACTS

1-888-ICC-SAFE (422-7233)
Web address: www.iccsafe.org
International Code Campus:
www.icccampus.org

ICC eNews

The International Code Council's award winning
electronic newsletter, distributed monthly, keeps
members and interested parties up to date with
International Code Council programs and relevant industry
activities. Read the current issue at www.iccsafe.org/news

WANTED

2012 CAPT Committee Volunteers

- Communication
- Corporate Affairs
- Membership
- Program/Education
- Public Relations

Contact any board member to sign up for
a committee.



Fire Marshal's Association of Colorado

David Lowrey, President
303-441-4356

lowreyd@bouldercolorado.gov
www.co-fmac.org

Permit Certification Testing

Exam Details and Fees

\$180.00 computerized

60 multiple-choice questions—

Open Book—2 hour limit

General Administration 39%

Legal Aspects 22%

Plans and Documents 25%

Zoning and Site Development 14%

Number to call to schedule an exam

1-800-275-8301

All National Certification examinations that are referenced to the International Codes will be on the 2009 versions.

Books needed for the Certified Permit Technician test:








2009 IBC (chapters 1-3, 6, 12 and 34)

2009 International Zoning Code

2002 Legal Aspects of Code Administration

Basic Code Enforcement—8th printing

CAPT Library

-  2009 International Building Code
-  2009 International Zoning Code
-  2002 Legal Aspects of Code Administration
-  2002 Legal Aspects Workbook
-  Basic Code Enforcement
-  VHS Video/World Trade Center: A Modern Marvel (1973-2001)
-  VHS Video/The Quiet Heroes



Study Materials available for checkout to CAPT members.

Contact:

Leslie Carpenter at lcarpent@jeffco.us or 303-271-8287 if you would like to check out materials from the library.

Colorado Association of Permit Technicians, Inc

P O Box 18066, Golden Colorado 80402

2011/2012 Application

Board of Directors

*Please use this form to indicate your interest for nomination to the Association's Board of Directors. Return the completed application to the bonniem@ci.aspen.co.us, no later than **October 31, 2011**. Thank you for your interest.*

Name: _____ Date: _____

Representing: _____ Phone: _____

Address: _____ Fax: _____

City, State, Zip: _____ Email: _____

**FOR BOARD OF DIRECTORS (List desired office by numerical order of preference.)
Elections will be held during the CAPT Annual Business Meeting on November 16, 2011.**

(Not more than two A or B members may serve at one time from any government entity.)

_____ **President** - Presides at all business meetings and meetings of the Board and shall be an ex-officio member of all committees.

_____ **Vice President** - Serves as recording officer and is responsible for correspondence including notice of meetings, presides at meetings during the absence of the President and assists the President, as necessary.

_____ **Treasurer** - Keeps records of all financial transactions, collects monies and disburses funds for the payment of bills, submits the billing for annual dues, and submits financial statements at meetings of the Association.

_____ **Director** (3 positions) - Actively participates and guides all business and activities of the Association, assists officers and committees, as necessary.