International Association of Plumbing and Mechanical Officials
Minutes
IAPMO – OC Chapter

November 12, 2009

Chairman:     Doug Fredericksen (Present)
Vise Chairman: Kraig Kiker (Absent)
Secretary:    Chris Smith (Present)
Treasure:     Dave Kokosenski (Present)

1. Meeting was brought to order at 12:05 PM by Doug Fredericksen
   a. Pledge of Allegiance was lead by Bob Payne
   b. Representatives from the following B&S Jurisdictions were in attendance:
      • Corona, Vernon, Santa Ana and Coast Mesa.

2. The October minutes were read by Chris Smith and approved.

3. Treasures Report:
   a. Dave Kokosenski reported that the chapter has a balance of $1,462.61

4. Correspondence:
   a. Doug introduced and motioned to donate $50.00 to Homes for our Troops.
      The motioned was seconded and approved. This is a great program for our
      Armed forces.

5. Announcements:
   a. UPPA – Long Beach will hold its monthly meeting on Saturday November
      14th from 8:00 to 10:00 AM sharp.
   b. Dwight Peterson handed out tickets for the 30th Annual IHACI show in
      Pasadena. The show is on November 18th from 12 noon to 9:00 PM at the
      Pasadena Convention Center.

6. Old Business:
   a. There was no old business.

7. New Business:
   a. Dwight Peterson has relocated to Southern California and is in the process of
      starting a new Chapter in the Inland Empire.
   b. Doug Fredricksen is going to be apart of a 25 member Green Technical
      Committee and they will be meeting in Chicago. The committee anticipates a
      large audience, and they also expect much input and discussion from the
      audience as well.
New Business Continued:

c. Doug also reported that all areas in Europe are currently using dual flush toilets.
d. The ANSI Solar Energy Code has been approved and is in print. The Solar Code also included Photo Voltaic.
e. The Pool and Spa Code should be ready very soon.
f. Doug mentioned a large solar project in Tonopah, CA. It will be the largest project in CA. It should employ many union plumber and fitters.

g. Ed Cook stated that the NEC Photo Voltaic is directly in the IAPMO approval. There is a new bulletin about green issues and can be found at www.iapmogreen.org.
h. IAPMO can arrange for tours at water treatment plants.

8. Code Questions:

a. Can gray water be used for water trees only? Doug read from Chapter 16, section 1607.0 and yes, trees can be irrigated by a gray water system, but you have to use a series of valves, three outlets per system, to complete a system. No permit is needed for gray water systems for certain gray water systems.
b. A statement was made about section of Riverside County, near the rock quarry in Corona, having found Boron in the water.
c. Mention was made about State Assembly Bill SB1356 and the ban on commercial water softeners. Local jurisdictions have the authority to ban water softeners. The City of Santa Clarita was actually buying back softeners and building a new filtration plant. An average softener uses about 120 gallons per regeneration cycle and most softeners do not regenerate everyday.
d. A question was asked about salt water pool approval. Salt water pools actually use the salt to generate chlorine. Salt water pools are accepted by code. If too much salted is used, it can damage the plaster surface.

e. Note: Chris MacKnight stated that there is more salt in Welch’s grape juice than in soft water. Soft water is ok to drink...as long as you are healthy.
f. Pete Tenace asked, “Does a lavatory need to be in the same room as the toilet?” There is no stipulation for the lavatory to be in the same room as the toilet in the UPC, but it does appear in the UBC. More investigation is needed.
g. Jerry Schreiber of Vernon asked, “Does the code require the blow down from an air compressor, to be piped to a sanitary drain?” The consensus at this time is that there is no code requirement to pipe the discharge to sanitary waste.
9. Program Speaker:
   a. Chris MacKnight and Jimmy Baker, of Bottle Free Water, presented Chapter 16 & Rain water harvesting. Both Chris and Jimmy are members of Orange County ASPE.
   b. Jimmy talked about the different types of recycled, rain, reuse and reclaimed water systems. The discussion included advantages and disadvantages of the different types of collection and storage systems.
   c. Sea water, over the years, has been encroaching on the underground fresh water supply and this is obviously a problem.
   d. In Australia, a company named Nubian, has a stand alone system that takes the gray water from a building, uses a bio filter and in some cases a UV light to treat the water and then places the water in a tank to be used for the toilet usage. The system does not use much electricity but is expensive to purchase and install.
   e. Chris showed us various plumbing drawings for the installation of different types of water systems.
   f. Rain water harvesting is another viable source of water. However the cost versus feasibility in certain areas should be addressed. In places where there is a lot of rain, this would work quite well. They also talked about collecting water from the roof and gutter systems and the different degrees of filters needed when collecting water from the roof. They discussed the different types of storage tanks; above ground vs. below ground. One instance; when using an above ground tank, a shade should be used to keep the tank from direct sunlight, this will protect the water from algae growth.
   g. Amir Tobach of the DWP is pushing to have a rain water collection system in place with in 2 years.
   h. Chris and Jimmy talked about the different types of filters and the contaminants that they remove. Bottle Free Water offers systems that can be placed in existing domestic water systems to filter and condition domestic water.
   i. Chris handed out a draft of Chapter 16 – Part II showing the changes made from the 2009 UPC.
   j. Thanks to Chris and Jimmy for their informative presentation.

10. Jim Baker & Chris MacKnight @ Bottle Free Water and donated raffle gifts. We thank you!

11. Meeting adjourned at 1:56 PM, see you next month.