MINUTES
Orange Empire Division
International Association of Electrical Inspectors

Date: 07Nov2017.
Location: Santa Ana Elks Lodge, 212 S. Elk Lane, Santa Ana, California.
Called to order by Henry Martinez at 12:05 p.m.

Self introductions by new or long-absent attendees: John Golden, the City of Brea; and William Defina, the City of Rancho Santa Margarita.

Minutes for September and October were approved without dissent.

**Treasurers Report**
The Treasurer's report was given by Henry Martinez.

**Membership Comm. Report**
The Membership Committee report was given by Tom Griffith: 114 members, 52 inspector and 47 associate.

**Old Business**
None addressed.

**New Business**
None addressed.

**Code Questions**
Henry Martinez with the City of Brea spoke about the lack of an equipotential-bonding conductor in the paving within three feet of a pool's edge. Scott Davis spoke about the NEC requirements for such bonding.

An attendee asked about bonding of gas piping vis-à-vis the prohibition in NEC section 250.52B. Scott Davis spoke about the methods for bonding gas piping on the customer side of the piping system.

Scott Davis announced that he provided a handout describing who can prepare construction documents.

**Inspector Time**
Dennis McCreary with the City of La Habra asked for opinions on how inspectors would respond to a survey which had been sent to him regarding the policy for providing PV rapid shutdown for additions to existing PV systems. Henry Martinez with the City of Brea opined that he would not require rapid shutdown for an existing system when a new system is added, but would require rapid shutdown if additions were made to an existing system. Scott Davis cautioned that there are significant changes in the 2017 NEC regarding this issue.

**Contractor Time**
None taken.

**Consultant Time**
None taken.

**Manufacturer Time**
Ben Abrishami, with Eaton Corp, provided flyers for an upcoming seminar on selective coordination, 29 November at the Eaton facility.

**Utility Time**
Gilbert Aceves with SCE reminded the group that fire risers in electrical rooms are not acceptable to SCE, per the ESR stipulation that no piping under pressure be installed in such room. Scott Davis stated that, per NEC, fire sprinkler piping is okay if it terminates in the room, but may not pass through; Gilbert added that the ESR also allows this.

**Testing Lab Time**
Rich Berman mentioned that UL will be having a free webinar on energy-storage systems and battery infrastructure on January 23, 2018, 09:00 - 10:30. The webinar will talk about energy-storage system standards, repurposing batteries, stationary battery standards and code regulations. Interested parties should send Rich an e-mail to get the link; or, check the UL linkedin page.

Rich added that UL has issued a recall on 40 million Kidde small fire extinguisher (plastic handles); he suggested that more information can be found at the cpsc.gov page. *(Recall dated November 2, 2017.)*

**Education Program: Electrical Code Changes for Dwellings**

Presented by Scott Davis.

Scott spoke about the requirements in the following NEC sections.

250.94 intersystem bonding.

210.8(A)(7) GFCI Dwelling Unit Sinks.
210.8(A)(9) Dwelling Unit Tubs or Showers.
210.8(A)(10) GFCI: Laundry Areas.
210.8(D) Dwelling Unit Kitchen Dishwasher Branch Circuit. *(GFCI protection is required.)* *(When modern-day dishwashers approach "end of life", failures are resulting in the frame being energized.)* *(The listing for GFCI devices requires that they are tested monthly.)*

210.12 AFCI Protection.

210.52(E)(1) and (E)(2) Outdoor Outlets.
210.52(E)(3) Balconies, Decks and Porches.
210.52(G) Basements, Garages, and Accessory Buildings.

Gilbert Aceves with SCE asked if, in the future, the word "listed" will be changed to "certified". Rich Berman answered that he was not aware of such a change for the Code, but UL is in the process of changing its terminology. He added that, instead of using the term "listed", which was an all-encompassing term for several services, will use the term "certified" on labels; this term will refer to a specific certification. Scott Davis reminded the group that the word "listed" is defined in the NEC solely for its meaning in the NEC.
314.15 Damp or Wet Locations.

314.25 Covers and Canopies. (Drywall screws are not permitted for installation of a device into a stripped-out plastic box; there are listed products available for this.)

404.2(C) Switches Controlling Lighting Loads.

406.4(D) Replacement Receptacles.
406.9(B)(1) 15- and 20-Ampere Receptacles in Wet Locations.
406.12 Tamper-Resistant Receptacles.

Example D7 added. [Example using 310.15(B)(7)] Sizing of Service Conductors for Dwelling(s).

Informative Annex J: ADA Standards for Accessible Design. CEC has amendments. (Building Standards Commission website has them.)

Scott announced that there will be two short presentations for next month: 1) Scott re Code changes applicable to commercial occupancies; and 2) Dan Vaughan re importance of bonding conductors.

Adjourned at 2:04 p.m.

Minutes respectfully submitted by Dan Vaughan. (Italics mine.)