

CONTRA
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COUNTY &
THE
INCORPORATED
CITIES
THEREIN

*Electrical
Code
Interpretations
Committee*

SECRETARY 1024 COURT STREET • MARTINEZ, CALIFORNIA 94553-1733 • PHONE: (925) 372-8848 FAX: (925) 372-0282

GENERAL UNIFORM CODE
INTERPRETATIONS COMMITTEE
ZIO FRAEDO'S RESTAURANT
PLEASANT HILL, CALIFORNIA
JUNE 4, 2014

MINUTES

The meeting was called to order at 12:12 p.m. by Chairman Ray Robertson.

Committee Members

In Attendance:

L. Diehl, M. Geller, F. Luna, S. Pouliot, R. Robertson,
G. Stevenson, R. Tabora, R. Walsh

Others In

Attendance:

G. Arcidiacono, P. Ellis, G. Galang, R. Hart, C. Johnson, G. King,
R. Maryatt, L. Montemayer, T. Pangilla, T. Poltl, G. Robertshaw,
A. Rutten, A. Scherbenshe, M. Springer, R. Thomas, D. Timmons,
E. Visconti, M. Wiens, D. Wotciech

After self-introductions, it was M/S/C to accept the Minutes of January 23, 2015, as submitted.

REPORT OF SUB-COMMITTEE:

The Chairman reported on the items discussed at the meeting of the Sub-Committee earlier in the day.

1. **Electrical Code Quiz:** The Committee reviewed an Electrical Code Quiz prepared by Mike Holt regarding the types of occupancies that must comply with the NEC, the purpose of listing and labeling electrical equipment, the rules for conductor terminations and splices, working space requirements, and multi—wire branch circuits and receptacles. A copy of the NEC "Questions and Answers," is attached to and made a part of these minutes.

2. **Code Question of the Day.** The Secretary also distributed a publication form from the National Electrical Contractors Association called Code Question of the Day, provided by Charlie Trout, a nationally known NEC expert and author. Mr. Trout has served on several NEC technical committees and CMP No. 12. He encouraged everyone to subscribe to the Code Question of the Day as a number of building inspectors and contractors throughout the United States review the information every morning. The service is free to interested parties.

3. **Electrical Vehicle Charging Stations in Multi-Family Dwellings.** The Committee reviewed a previous issue that often develops with electric vehicle charging equipment in multi-family dwellings. There is no demand factor available for charging equipment. Each unit must consider the load at 125% and size the service accordingly. Typical charging equipment would require 30 amps @ 120 volts or 80 amps @ 240 volts. The Public Utilities Commission recommends a separate service for each unit as there is a special rate for electric vehicle charging equipment. Some municipalities require separate meters, as it is in the customer's best interest.

4. **Electrified Truck Parking Spaces.** The Committee reviewed the Article 626 provisions for electrified truck parking spaces and surveyed the local municipalities for whether or not they have seen this in their local areas. Federal and State mandates to reduce diesel engine emissions have resulted in a call for electric power to allow for the operation of transport truck heating and cooling equipment while the truck is parked – as opposed to running the engine to provide power. It was noted that the electrical equipment for such use is also considered a continuous load under the NEC and must be sized accordingly.

5. **Rapid Shut-Down for Solar Equipment.** The state of California is apparently considering requirement for a rapid shut down of DC photo-voltaic systems as provided in 690-12 of the 2014 NEC before the next code adoption. The Rapid Shut Down Device shuts down the direct current to 30 volts/240 watts within 10 seconds of activation. It is typically located after the combiner box and before the inverter. It is a disconnect with a contactor and a shunt to shut down the energy level down to an acceptable (30V) level.

6. **Title 24 Acceptance Testing Update and Observations.** The Committee reviewed the status of the Title 24 Acceptance testing for lighting systems and implementation at the local level. The three most common forms of controls that are utilized out in the field are automatic light controls, daylight response controls, and demand response controls. Contractors have noticed that many times the available documents are wrong or asking for inspection of daylight response in a non-windowed area. It was noted that there are two sets of forms that are important: the installers form and the compliance form.

NEW BUSINESS

There being no further business to come before the Committee, it was M/S/C to adjourn at 1:15 p.m.

Respectfully submitted,



Michael Geller
Secretary

MG/ss