Date: 06Feb2018.
Location: Santa Ana Elks Lodge, 212 S. Elk Lane, Santa Ana, California.
Called to order by Henry Martinez at 11:54 a. m.

Self introductions were performed by all attendees.

The Minutes for December, 2017 were approved without dissent.

**Treasurers Report**
The Treasurer's report was given by Henry Martinez. Dennis McCreary of the City of La Habra moved that Scott be allowed to spend $1,000 on more educational material. Tom Griffith seconded. Scott mentioned that the library, as it is, was not being used; suggested that investment be made in ways to make educational material more easily accessible. Dennis, therefore, withdrew the motion.

**Membership Comm. Report**
The report was given by Dave Moore: 118 total members (53 inspector and 51 associate).

**Old Business**
None addressed.

**New Business**
None addressed.

**Code Questions**
Scott Davis spoke about the B3 Bypass (company is: QFE002 Electric Innovations) breakers for back feeding a quad breaker, that has no electrical connection to the bus, in an existing loadcenter. They are UL Classified breakers, i.e., tested to a particular standard. Mostafa Kashe with the County of Los Angeles said that he did not accept them because the manufacturer could not demonstrate installation in a Cutler-Hammer loadcenter at his office training lab, even though the serial number of the load center was included in the manufacturer's list of suitable loadcenters, and that the cost of such breaker is $600-$700; he noted that such line-
side taps are not allowed for systems with battery supplies. Rich Berman spoke briefly about the history of "classified" circuit breakers.

Scott spoke briefly about Square D (Schneider Electric) listed bus-tap kits.

**Inspector Time**
None taken.

**Contractor Time**
Gregg Gallegos with the City of Dana Point spoke about a "panelboard" supplied from a battery-backup system at a residence, and described by the contractor as supplying "critical loads". Gregg asked: Is the battery supply and the panelboard considered an optional standby system, therefore requiring a manual or automatic transfer system? Dave Moore with Sullivan Solar Power responded that a note in the NEC Handbook addressing NEC section 702.5 states that, when a utility-interactive inverter is used, an additional transfer switch is not required. Dave went on to describe the minimal loads supplied from the batteries. Gregg went on to speak about SDG&E requirements for co-generation facilities and NEC Article 705 (*Interconnected Electrical Power Production Sources*).

**Consultant Time**
John Shannahan, PE asked the group if their jurisdictions accepted digital PE signatures for submitted plans. Henry Martinez of Brea said that Brea does not yet have the capability; Mostafa Kashe of the County of Los Angeles said that his jurisdiction accepted digital signatures; and Scott Davis with the City of Santa Ana replied that Santa Ana accepts digital signatures for the first submittal.

**Manufacturer Time**
None taken.

**Utility Time**
None taken.

**Testing Lab Time**
Rich Berman with UL mentioned that a recording of the UL webinar on batteries, held about two weeks ago, is available by e-mailing him and clicking on the link that he will provide.
 Uriah Edmunds with TUVRheinland announced that they are looking for four or five employees for field evaluations.

**Education Program: Tap Rules.**

Presented by Scott Davis began at 12:50 p.m.

For this subject, Scott suggested use of the Handbook, and spoke about the requirements in the following NEC sections. He also provided a handout titled TIPS FOR TAPS.

240.21 Overcurrent Protection Location (and all of its subsections).
240.6 Standard Ampere Ratings.
408.36(B) Overcurrent Protection (Panelboards).
240.24 Overcurrent Device Locations.
240.24 Location in or on Premises.
240.24(A) Accessibility.
240.24(B) Occupancy. Each occupant must have ready access to overcurrent-protection devices.

In response to a question from the floor, Scott opined that taps to parallel feeders must also be in parallel.

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