

ELECTRICAL INSPECTOR'S MEETING NOTICE

WHEN: WEDNESDAY, OCTOBER 17, 2012

**WHERE: THE GOLDEN CORRAL
11090 E MISSISSIPPI AVE.
AURORA, COLORADO 80012
TIME: 11:45 A.M.**

Please remember, the NECA and IEC offices will only host the **Electrical Inspector's** and **one NECA Contractor Member**, and **one IEC Contractor Member** from each firm, all others must pay \$10. Please make your checks payable to NECA and mail to the Chapter Office, 495 Uinta Way Suite #240, Denver CO 80230

MEETING AGENDA

Call to order
Introductions
Announcements
Review and Approval of Previous Meeting Minutes
IAEI Update
State Electrical Board Update
Utility Report
IEC Report
NECA Report
NEMA Report
NRTL Report
Jurisdiction Reports
Chairman's Comments
Field Problems
Adjournment

Please bring a copy of this agenda and the minutes with you to the meeting.

ELECTRICAL INSPECTORS MEETING MINUTES OF SEPTEMBER 19, 2012
THE TAVERN LOWRY

I CALL TO ORDER: 12:00 PM

II INTRODUCTIONS: (see attached schedule)

III MINUTES FROM PREVIOUS MEETING:

M/S Approved as submitted.

IV I.A.E.I.:

No representation. Members are at the Western Section Meeting.

Visit our web site at <http://rocky.iaei.org/home.htm>.

September 17-19, 2012: Western Section Meeting in Ft. Smith Arkansas.

V XCEL:

www.xcelenergy.com;

Updates on installations at:

<http://www.xcelenergy.com/staticfiles/xcel/Marketing/Xcel-Energy-Standard-For-Installation-and-Use.pdf>

The Blue Book review process is ongoing.

Discussion of Douglas County installation of underground laterals with parallel phases in separate conduits, in a trench, in close proximity to each other (all "A" phase conductors are in one conduit and all "B" phase conductors are in another and so-forth). The NEC permits this in 300.5(I) exception no.1. Xcel needs to review this type of service lateral for compatibility and approval before installation.

VI STATE:

No representation at this meeting.

The on-line apprentice registration web-site is currently out of service for changes and upgrades. Steve will contact Holly when it goes back on-line. Holly will send out email notifications.

New Apprentice registration is required within 30 days and can be performed on-line at

<http://www.dora.state.co.us/electrical/apprentice.htm>

Access to your personal user account: www.dora.state.co.us/electrical/cc.

VII N.R.T.L.:

U/L:

Peggy asked all inspectors to check for authentic U/L labels at inspections.

The general customer service number is 877-854-3577.

The U/L hotline phone number is: 1-800-595-9844 with # 3 for the region. I-phone contact # is:

www.ul.connect.com.

Code authority home page: <http://www.ul.com/global/eng/pages/offering/perspectives/regulator/>

U/L Newsletter:

<http://www.ul.com/global/eng/pages/offering/perspectives/regulator/ultimateemail/>

ETL SEMKO:

No representation at this meeting.
Telephone: 720-271-0829. Fax: 503-626-7328. E-mail: jack.lawall@intertek.com

VIII I.E.C.:

Tim gave a report on their apprentice training classes which started on August 11, 2012. There are approximately 460 in classroom classes and 120 in remote on-line classes. There many other classes for JW and masters including PDU exam prep., and ESL classes. Call for a complete schedule.

IX DENVER:

No representation at this meeting.

X I.B.E.W.: Local 68:

There was nothing new to report.

XI FIELD PROBLEMS:

Discussion of NEC 690.11: Some manufacturers and suppliers are still clearing inventory of their non-AFCI equipment and other manufacturers still do not have this new AFCI equipment available (required in 2011 NEC). 90.4 allow the use of proceeding code approved equipment when new code required equipment is not yet available. Colorado Springs and Boulder are failing the installations for non-AFCI equipment. Eaton has the new equipment available. The jurisdictional electrical plan review is where this problem should be solved. A vote to allow the AHJ to make the decision for installation of existing 2008 equipment until 2011 equipment is available was conducted. Seven-voted for and three voted against. Namaste' will check with other manufactures to find out when their new product will be available.

Discussion of the installation of an optional standby generator into existing u/g service laterals for a residence. The existing service lateral is a 3-wire system. The 2011 NEC 250.32(B) requires a 4-wire system. Does the entire service lateral need to be replaced with a 4-wire system for this service modification? Consensus: NO! The vote was unanimous.

Discussion of overcurrent protection & disconnect means for ranges: NEC 422.31 & 430.109 was the related articles discussed. This discussion was tabled until the October 17, 2012 meeting.

Discussion of residential remote controlled smart systems: Are permits required? Do the installations of controllers require state licensed installers? Tabled until the October 17, 2012 meeting (note this was discussed at the 12/21/2011 meeting).

Discussion of re-verifications of services that have been disconnected by Xcel for over 365 days: Xcel needs the services to be inspected and released by the AHJ. The Realtor or homeowner wants the inspection agency to do it for free. Some AHJs want a fee and permit for the inspection while others are doing it for free. Note: The minutes of 9/21/2011 reflect that Xcel will not reinstall these meters unless the installation has been inspected, passed and released by the AHJ. It is up to the jurisdictions to determine their procedure, permit and/or inspection process.

Discussion of GFCI protection for a luminaire in the shower: NEC 210.8 does not require it.

Discussion of electrical equipment mounted on a wall above a window well: This installation is compliant providing the window well has a grate cover that has sufficient strength to withstand the weight of a large person. Consensus: The vote was unanimous.

XII N.E.C.A.:

The inspectors asked Holly to purchase a digital recorder to supplement the taking of the minutes.

XIV NEXT MEETING:

Wednesday, October 17, 2012
The Golden Corral

XV ADJOURNED:

Meeting adjourned at 12:56 pm.
Minutes taken by Tito Aleman
Minutes transcribed and submitted by Giles Schurman