

ELECTRICAL INSPECTOR'S MEETING NOTICE

WHEN: WEDNESDAY, FEBRUARY 20, 2013

**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 JANUARY 16, 2013
THE GOLDEN CORRAL**

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.:

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

Upcoming Classes:

February 8, 2013: Class on Theory & Calculations in Greeley.

February 22, 2013: Class on Theory & Calculations in Ft. Collins.

The March 14-15, 2013 Annual Meeting, will include Soars' Grounding & Bonding & Wiring Methods classes. The 2013 Western Section Meeting will be held in Colorado Springs on September 16-18, 2013.

The Chapter is looking for someone to fill the position of Secretary/Treasurer.

V XCEL:

www.xcelenergy.com;

Updates on installations at:

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

Xcel will soon put their requirements for re-installing meters, on services that have been removed for over 365 days, on their web site. The review is still in progress and should be finished sometime in March 2013.

VI STATE:

The inspector position in Sterling has been filled by James McClain. There are still two positions open that are awaiting approval before filling. The new State Plumbing & Electrical exam vendor is PSI. They have as many or more testing sites as Pearson/Vue had. Steve thanked the inspectors who served on the exam review committee for their work on reviewing over 735 questions in PSI's question pool and for generating many new questions for exams starting on January 25, 2013.

The on-line apprentice registration web-site is still out of service and won't accept changes and/or 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:

There was no representation at this meeting.

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:

Jack reminded all that any modifications of listed equipment requires a field review.

Telephone: 720-271-0829. Fax: 503-626-7328. E-mail: jack.lawall@intertek.com

VIII I.E.C.:

www.iecrm.org

Paul reviewed the many classes offered by IEC. They can be viewed on their website.

IX DENVER:

There was no representation at this meeting.

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

Representatives thanked the inspectors for being vigilant in checking licenses and registrations at the job sites.

XI FIELD PROBLEMS:

Continuing discussion on AFCI protection for Laundry room: In past meetings the laundry room was considered a “like room” to the kitchen and bathroom and did not require AFCI protection. In the October 2010 meeting it was decided that it was not a “like room” and the consensus was that it did require AFCI protection for the lighting and any receptacles in the room not required to be GFCI protected on the laundry circuit. The State as well as some other jurisdictions has not enforced the AFCI requirement saying that it was a “like room”. After more discussion it was determined that the 2014 NEC makes it clear that it will need AFCI protection and the requirement will be enforced when the 2014 NEC is adopted.

Discussion of need for a 2nd ground rod for grounding an optional standby generator at a residence: It was determined that only one ground rod was needed since the NEC requires that all ground electrodes be interconnected to the other electrodes to function as one grounding electrode system. Discussion on responsibility of electrical wiring installations for traffic signals and/or bridges: This has been discussed many times at past meetings. A permit and inspection is required for the service equipment only. All equipment and wiring on the load side of the service equipment is the responsibility of C-DOT and/or their engineers.

Jim Dorsey of Douglas County cautioned inspectors to be vigilant in checking health care service equipment breakers. He stated that they are wrong approximately 75% of the time. Some installations had adjustable breakers which could be adjusted in excess of the required setting.

Discussion of proper grounding for a metal roof and the PV array attached to & through the metal roof: Tito inquired if there was a listed method for grounding/bonding the array to the metal roof. It was determined that the array frame which is secured to the metal roofing & supporting structure is adequate for grounding/bonding the metal roof.

Discussion of why there is no enforcement of 690.11 PV Inverters when they are available: Steve Berry is pursuing an answer as to why? SMA has the only listed unit available with many in inventory and their factory is in the Denver area. The mentality of the AHJ’s who are not enforcing 690.11 is that there should be more than one manufactured with the listed product before it should

be enforced. NEC 90.4 only exempts new products not yet available. It is available; Therefore, NEC 90.4 should no longer apply for non-enforcement.

XII N.E.C.A.:

There was nothing new to report.

XIII OTHER BUSINESS:

Ideal Industries representative Carrie Williams gave out samples of the Purple Twister Wire-nut (listed for al/cu connections) and held a drawing for an AFCI tester. She answered all questions or concerns about the listing and application of this product. This product is listed and has never failed when installed properly and per its listing requirements.

XIV NEXT MEETING:

Wednesday February 20, 2013
The Golden Corral

XV ADJOURNED:

Meeting adjourned at 12:53 pm.
The minutes were recorded during the secretary's absence. They were later transcribed and submitted by Giles Schurman