

# **ELECTRICAL INSPECTOR'S MEETING NOTICE**

**WHEN: WEDNESDAY, SEPTEMBER 19, 2012**

**WHERE: THE TAVERN LOWRY  
7401 EAST 1<sup>ST</sup> AVENUE  
DENVER, COLORADO 80230  
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, 363 South Harlan Street, Suite 205, Lakewood, CO 80226-3552.

## **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 AUGUST 15, 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.:

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](http://www.xcelenergy.com);

Updates on installations at:

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

The Solar Rewards Program application opened for an additional 4.5-5 megawatts and was filled in approximately 15 minutes. These will be direct-grid tie systems.

VI STATE:

Steve attended a NFPA sponsored workshop in Boston Massachusetts. This was a workshop to help states who are behind in the current NEC adoption by presenting new ideas to make their process easier. Many jurisdictions must get approval from their city or county council members In addition to their state legislature before a new code can be adopted. Wyoming has the best system, which mandates all cities and counties update automatically at each new code cycle. The two inspector vacancies are still open in the Montrose and Sterling areas. Still need approval from administration to fill these positions.

Washington and Oregon withdrew from the license reciprocity program because of requirement differences in the apprentice training system. They require 16,000 hours of training before JW test approval. No other new states have inquired to join the program. There are compatibility differences between our PDU and their CEU requirements. Colorado does not require a pre-approved accredited list of instructors or classes but has a list of class requirements that must be met. It currently accepts PDU's from IBEW, IAEL, IEC, ICC, community colleges and private instructors who meet the curriculum requirements.

Steve attended a NERA meeting in Nebraska and presented a power-point presentation of Colorado's license assessment/PDU process and results. This presentation can be viewed on the State Electrical Board home page by clicking on the cc-requirements.

Rory also spoke on the merits of having more states in our reciprocity group and got a full consensus from those present to pursue legislative approval for a full time staff person to provide and maintain a list of approved providers for Colorado's PDU requirements.

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](http://www.dora.state.co.us/electrical/cc).

VII N.R.T.L.:

U/L:

Peggy reported on the tabled anti-oxidation question from the July meeting. Anti-oxidation compound has not been evaluated for use on conductor terminals so there is no data available. It should not be used on the screw threads of the lugs. Some manufacturers may recommend it's use on their conductors at the terminations. It is not required by the NEC.

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](http://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 thanked everyone for checking listing and labels on equipment at inspections. Telephone: 720-271-0829. Fax: 503-626-7328. E-mail: [jack.lawall@intertek.com](mailto: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 are many other electrical and control classes available.

IX DENVER:

An additional full time inspector was hired, A part-time, on-call, inspector was also hired.

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

Representatives thanked the inspectors for checking job-site licenses again.

XI FIELD PROBLEMS:

Discussion of non-licensed handymen advertising for electrical installations: Send their cards, ad's, pictures, or web-sites to the electrical board for investigation. The EB can issue a Cease & Desist Order followed up by an injunction and Contempt of Court.

Discussion of PV Solar Panel low voltage wiring, installed by non-licenses installers: The solar installers need to be certified but not licensed for wiring ahead of the Inverters.

Discussion of A/C condenser wiring requirements: The nameplate minimum circuit amps rating should be used, not the maximum fuse size. (#12 cu wiring may be used for a nameplate, minimum circuit, 17 amp rating).

Discussion of circuit protection requirement for a designated "workshop" in a residence: NEC 210.8(A)(2) requires GFCI protection only. (Aurora requires AFCI protection for any room that has

a closet regardless of the designation on the drawings).

XII N.E.C.A.:

Holly will check on the cost of a video/recorder system to record the inspectors meetings, which can be emailed, when no one is willing to take and transcribe the meeting minutes.

XIV NEXT MEETING:

Wednesday, September 19, 2012  
The Tavern Lowry

XV ADJOURNED:

Meeting adjourned at 12:50 pm.  
Minutes submitted by Giles Schurman