

WHEN: WEDNESDAY, AUGUST 20, 2014

**WHERE: THE GOLDEN CORRAL
11090 E MISSISSIPPI AVENUE
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 UNITA WAY, Suite 240, Denver, CO 80230.

MEETING AGENDA

Call to order

Introductions

Chairman: Greg Cullison Comments

Review and Approval of Previous Meeting Minutes

State Electrical Board Update

IAEI Update

Utility Report

UL Report

NEMA Report

I.B.E.W LU. 68

D.J.A.T.C

IEC Report

Jurisdiction Reports

Field Problems

NECA Report

Good of the Order

Adjournment

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

ELECTRICAL INSPECTORS MEETING MINUTES OF JULY 16, 2014

THE GOLDEN CORRAL

I CALL TO ORDER: 12:20 PM

II INTRODUCTIONS: (see attached schedule). Chairman, Greg Cullison, comments and announcements: Please, when asking a question or commenting, **speaK loud enough** for the recorder to pick up your voice, and introduce yourself. Thank you

III MINUTES FROM PREVIOUS MEETING:

M/S, accepted and approved

IV STATE:

State inspectors very, very busy

Continuing competency assessment is on website for July to take the assessment. PDU requirements and a learning plan need to be established plan before the assessment can be scheduled. A 60 day grace to complete PDU and assessment is granted. Your license will be expired on September 30, 2014. Inspectors can issue citations and enforce State statutes.

Contact:

Abi Gaskins
Division Wide Programs Manager
Office of Division Wide Programs and Systems
Colorado Department of Regulatory Agencies
Division of Professions and Occupations
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1560 Broadway, Suite 1350
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abigail.gaskins@state.co.us

July 1, 2014 State adopts 2014 NEC, you can schedule to take your 2014 NEC assessment, permits issued July 1, 2014 will be inspected to the 2014 NEC.

V I.A.E.I.:

Rocky Mountain Chapter Executive Board meeting July 18, 2014.

No further classes are being scheduled for the rest of the year. Supported assessment scheduling information from State report.

Visit the IAEI website : rocky-iaei.org for information on meetings, locations, costs and schedules for 2014 classes.

VI XCEL:

Meters that is not energized, please leave it alone. Contact Xcel, local jurisdiction. There have been reports of these exploding.

Eaton is still working through the design of their meter sockets. Talon meter block are still approved for installation.

October 2014 deadline for construction meter by pass lever requirement.

Any question for evaluation in the field for service installations should be initiated from the builders call line. 1-800-628-2121

www.xcelenergy.com

VII N.R.T.L.:

U/L: Introduction of :

Tyson Long

Sr. Project Engineer

Field Evaluations

Tyson.D.Long@ul.com

O. 877-854-9577 x2

C. 720-201-1247

White books made available. Online www.ul.whitebook latest edition.

The U/L hotline phone number is: 1-800-595-9844, **select # 2 and then enter extension 42160 for Tom Lichtenstein** Code authority home page: : www.ul.com/codeauthorities

UL Newsletter: The Code Authority: Electrical Connections

<http://www.ul.com/tcaec>

UL White Book pdf: www.ul.com/whitebook

INTERTEK:

Please contact for any testing or assistance

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

VIII N.E.M.A.: No representation.

www.nema.org:

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

Supports State report on scheduling assessment.

X D.J.A.T.C. :

Apprenticeship is still accepting applications daily.

Call 303-293-1903 or go to DJEATC68.com.

XI I.E.C.:

Very busy, please check site for PDU and other classes.

A Safety Committee is organizing a class for a disaster scenario. In Oct. we are trying to fill a class for 200 participants. More information to follow.

We welcome Mr. Conrad to our staff.

For additional classes and information go to website iecrm.org

XII Jurisdiction reports: No reports

XIII FIELD PROBLEMS:

Is GFCI protection required for a receptacle, not assessable, behind equipment in a bathroom?

*Receptacle shall be GFCI protected and accessible. Could install blank face GFCI.

Traffic control panel, requirement of receptacle inside controller?

*If installed by manufacture in equipment as part of listed equipment and labeled, it is part of that listing and shall not be modified. If installed after, installation will need to be GFCI protected.

Rapid shut off requirements for 2014 NEC enforcement.

*Links have been added to minutes of July meeting. Discussion of previous information followed. Tabled for further discussion.

Is the additional ground rod requirement of 690.47.D to be enforced in 2014?

*Yes

Emailed question : Wind Power 2014 NEC requirements.

- From the AHJ perspective, what are the compliance issues they are most concerned with?
- How far up into the turbine they will be going to verify components or products?
- Will they be requiring Listing or Labeling for the entire assembly?
 - Note – this is preliminary, but it may be possible to have a generation only certification, a separate blade, separate nacelle, and separate tower certification as opposed to having the entire WTG with one UL Mark on it.

*Links:

Subject: Wind Power

<https://mail.google.com/mail/u/0/?ui=2&ik=c08cba7f14&view=att&th=147d4cbd31eec4ea&atid=0.1&disp=inline&safe=1&zw>

<http://www.nrel.gov/wind/>

<http://www.awea.org/>

<http://support.flir.com/appstories/AppStories/Electrical&Mechanical/Wind%20turbine%20inspections.pdf>

System Manufacturers

Commercial Industrial

<http://agreenroad.blogspot.com/2012/04/ten-largest-wind-turbine-manufacturers.html>

https://www.hqs.sbt.siemens.com/gip/general/dlc/data/assets/hq/manual/02_ds_Safetyandprotectionforwindturbines_EN_2951.pdf

http://www.vestas.com/en/products_and_services/options_and_solutions#!

http://www.vestas.com/en/products_and_services/options_and_solutions#!

Residential

<http://www.homepower.com/articles/wind-power/equipment-products/2014-wind-turbine-buyers-guide?v=print>

Resources

AWEA standards page • bit.ly/WindStandards

Intertek • www.intertek.com/wind/small

ITAC • bit.ly/ITACTurbines • Unified list of wind turbines

Microgeneration Certification Scheme • microgenerationcertification.org

Small Wind Certification Council • smallwindcertification.org

TUV • bit.ly/TUVnelCert

John Fernandez Jr.

Emailed question?

How can I explain 680.26, more effectively to pool installers?

***Subject:** 680.26

[http://iaei-suburbandivision.webs.com/documents/IAEI%202011%20NEC%20Above%20Ground%20Spa%20\(sample\).pdf](http://iaei-suburbandivision.webs.com/documents/IAEI%202011%20NEC%20Above%20Ground%20Spa%20(sample).pdf)

[http://iaei-suburbandivision.webs.com/documents/IAEI%202011%20NEC%20Above%20Ground%20Pool%20\(sample\).pdf](http://iaei-suburbandivision.webs.com/documents/IAEI%202011%20NEC%20Above%20Ground%20Pool%20(sample).pdf)

<http://ecmweb.com/nec/2011-national-electrical-code-changes?page=24>

<http://www.nfpa.org/~media/Files/Research/Research%20Foundation/Research%20Foundation%20reports/rfpoolbonding.pdf>

<http://www.erico.com/public/library/fep/LT1242.pdf>

X111 N.E.C.A

Inspectors tab, for inspectors and/or contractors:

Questions can be submitted for meeting discussion. Please e-mail request for previous meeting minutes. Calendar for future meetings and events will be posted on website.

Website info, rncneca.org.

XIV Good of the Order

Thank you to Xcel for the help in Arvada

XV NEXT MEETING:

Wednesday, September 16, 2014

The Golden Corral

XVI ADJOURNED:

Motion to adjourned and approved at 12:50 pm

Minutes submitted by Tito Aleman Jr.

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[720.898.7622](#)