

**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 JUNE 18, 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:

Continuing competency assessment is on website for July to take the assessment. Questions are complete and ready for assessment. PDU requirement needs to be added to individual learning 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:

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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.

State inspectors very, very busy

V I.A.E.I.:

Rocky Mountain Chapter Executive Board scheduled no meeting for June.

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

VI XCEL:

Contractors claiming to Xcel, for meter exchanges, that jurisdictions are not requiring permits or inspections for these installation. Xcel meter men have left notices and jurisdictions have been notified and the jurisdictions have gone after these contractors

A solar gardens of a grid type, was installed and the contractor stated that this jurisdiction required them to pull ground to the transformer for termination. Xcel is not required and not in the business to provide grounding systems or termination for electrical systems. That is the responsibility of the electrical contractor and jurisdiction to inspect. Please inform your contractors.

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, new Field Evaluation

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: No representation.

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: No report at this time

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

Still needing apprentices

Apprenticeship is accepting applications daily from 8:00 AM – 5:00 PM.

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

XI I.E.C.:

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

Job Fair, at their facility 480 E 76th Ave #5 on June 24, 2014. Serching for all classes of work in the electrical field. From apprentices to project managers.

For additional classes and information go to website iecrm.org

XII Jurisdiction reports: No reports

XIII FIELD PROBLEMS:

Connection cabinets from Xcel. The grounding and bonding is the responsibility of the electrical contractor not Xcel.

Table 310.15.B.7 is used for Single phase 3 wire dwelling services not for a 3 phase system to a multi family dwellings service system.

Do temp construction turtles require GFCI protection form the construction meter enclosure?

*No, requirements are from section 590.6

Consensus from the group on having non licensed personal installing 480v trace tape

*State: Statute is clear anything hard wired does not qualify as a cord and plug installation.

Consensus, all in agreement with the statute.

Grow facilities and meth labs. There are requests for safety inspections from local jurisdictions to be given authority to disconnect power. State is evaluating, creating guide lines and procedures for inspectors involved with this inspection. The State along with UL are investigating the effect of the chemical damage and affects there is on electrical equipment in these types of facilities. Xcel has had overloaded transformers, melting insulation. Information will be made available.

What will be required for the 2014 NEC enforcement of Solar installations and 690.12 Rapid Shutdown of PV Systems on Building?

*A lot of discussion on the matter. Please investigate further and bring information to next meeting. Below are some links to help

<http://www.solarabcs.org/codes-standards/NFPA/pdfs/2014NEC2%20690.12%204-253,%204-167.pdf>

<http://www.nmsu.edu/~tdi/MTVideos/RapidPVShutdown/presentation.html>

http://www.iaei.org/imis_dev/Online/Communities/EntryDefault.aspx?iUniformKey=f9581f0e-f955-4302-80c6-58c4db094bdf

http://solarprofessional.com/articles/design-installation/understanding-the-nec-2014-and-its-impact-on-pv-systems?v=disable_pagination

<http://www.nfpa.org/~media/files/research/research%20foundation/research%20foundation%20reports/building%20and%20life%20safety/rfcommercialroofmountedphotovoltaicsysteminstallation.pdf>

Manufacturers Of Rapid Shutdown Contactor Combiners & Systems

<http://www.solarbos.com/products/combiner-boxes/contactor-combiners>

http://www.idealpower.com/PDFs/IPV-30-combiner_datasheet_July2013.pdf

<http://bentek.com/newbentek/solar-products/string-combiners/arc-fault/>

http://www.midnitesolar.com/pdfs/rapidShutdown_frontBack.pdf

<http://news.thomasnet.com/fullstory/Solar-Contactor-Combiner-Box-works-with-remote-solar-disconnect-603894>

<http://www.solren.com/products-and-services/solar-string-combiners/arccom/>

<http://esl-solar.com/PDF/ProPV-combiner-box.pdf>

<http://www.gigavac.com/pdf/ds/pp/hx21.pdf>

<http://www.dcsunvolt.com>

690.12 Compliant Equipment Manufacturers

http://ussolarinstitute.com/wp-content/uploads/2012/11/fire_safety_white_paper-na.pdf

<http://solarbridgetech.com/rapid-shutdown-nec-690-12-why-ac-modules-are-fire-fighters-best-friend/>

http://enphase.com/global/files/Enphase_NEC_2014_Compliance.pdf

<http://www.trinasolar.com/us/product/Trinasmart.html>

Contractors using temp registered apprentices and leaving them on site alone. State statute allows electricians to file complaints and turn it into them for disciplinary action if required. Please use the complaint forms on the DORA website.

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

XV NEXT MEETING:

Wednesday, July 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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