



THE WIRE

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SEPTEMBER

President's Letter

Finally, I have some encouraging developments to report. We had our second in person Executive Committee meeting on Wednesday August 11th. We conducted a six hour in person continuing education class at the Elk's Lodge on Saturday August 21st. I'd like to thank Dennis Steier for helping out with the class and Mark Yates for supplying doughnuts. We had around 25 people attend. From all indications, the class went over very well.

In addition, we are still on track to begin our regular in person general membership meetings on Monday September 13th at the Elk's Lodge. We will present a slate of candidates for the Executive Committee at that time. If anyone is interested in running for a position, please contact one of the Committee members.

The best that we can determine, Kentucky is still under a State of Emergency. **Once** the state of emergency is lifted, license holders will be given 120 days to obtain their continuing education. As it is right now, if you have had two renewal dates since March 2020, you will be required to obtain 12 hours for your respective licenses. However, the Department of Housing, Building, and Construction may modify this decision. I have been told that the Department will notify the various organizations when a decision has been finalized. For more information, please call the Department at (502) 573-2002.

As I mentioned last month, the Department is planning to adopt the 2020 Electrical Code with the Kentucky State Building Code. There seems to be no sense of urgency to move any quicker. We'll just have to wait and see what happens.

If anyone has any suggestions for continuing education topics, please get a hold of one of the executive committee members. We are continually looking for any suggestions.

***** September 13, 2021 Code Program**

Sign-in 6:30 P.M. - Program at 7:00 P.M.

ELKS LODGE # 8 - 2824 KLONDIKE LN -

Our September code class will be presented by L P Chick. Jeff Heimer along with Joe Gerado from Orbit Industries, will present a program on installing equipment according to NEC code.

Joe Gerado is from California, he is a retired electrician and has played a big part in developing products that are labor friendly in the install but how they help a contractor meet or exceed the code requirements.

They will show and take about True 5" box and how it helps with code compliance, BCHS for meeting code on hanging products from the roof, as well as RAP Plate for the same with recessed fixtures, and Fireblok inset for meeting code in the box instead of wrapping the box, and much more.

We encourage you to participate by asking questions.

If you have any questions about your license or credit hours, please contact Frankfort (502) 573-2002. You can also go to the State's Website for additional information.

Stay Informed, Work Smart & Stay Alert!

Dues Renewal

September is time to re-new your ECHL membership. Invoices will be included in this September Wire. Your membership is especially important to us, at this time of uncertainty. We are pleased to getting back to our monthly routine of providing our members with up to date training.

Denise Arnold and I have missed everyone and are looking forward to seeing you!

!!! Bring a electrical friend with you!!!

SEPTEMBER Code Questions

1. NFPA 70 the National Electrical Code is on a how may year cycle?
A. 4 C. 5
B. 3 D. 2

2. What NFPA 70 Edition is Kentucky currently enforcing?
A. 2020 C. 2017
B. 2014 D. None of above

3. Can anyone submit a change to the National Electric Code?
YES NO

4. Who is responsible for the interpretation of NFPA 70 the National Electric Code?
A. The Owner C. Authority Having Jurisdiction
B. The Designer D. You as the installer

5. Can you request permission for exceptions to the NFPA 70 requirements?
YES NO

6. Which standard would NFPA 70 is considered?
A. Maximum C. Acceptable
B. Minimum D. None of above

Code Corner

NFPA 70B

NFPA 70B is a Recommended Practice for Electrical Equipment Maintenance, most companies and electrical people are unaware that is document exist. This document has come to be acknowledged more since the introduction of NFPA 70E Safe Work Practices document and has is also mention in Informational Notes in NFPA 70 the installation document.

Most electrical installation once they are installed the Main disconnect and feeder disconnects have been turned on and more than likely have not been turned off after the installation. In a cases of a building or industrial facility was built in 1990 that disconnect switch or breaker has not been exercised in over 30 years. A lot can happen in an electrical system on a 30 year period with any switch or breaker. That is why it important to pull periodic maintenance on the electrical system.

110.3B of the NEC Installation **and Use**. Listed and Labeled equipment shall be installed and used *in accordance with any instruction included in the listing or labeling*. So, what is that telling you to do before installing? **Read the Instructions**, the third party listing or labeling party writes the instruction and by not follow could void the listing of the product. I know must of you have installed breakers thousands of time but did you read the instructions? Probably not but it tell you it needs to be exercised annually. A breaker is a thermal device that actually heats up under overload conditions and cools when the overload is reduced, under those types of conditions that beaker is possibly going to fail when you actually need it too because it has never been exercised.

This is just some food for thought, but in NFPA 70 and NFPA 70E it states that a well maintained electrical system reduces the chances of a possible Arc Flash or Blast. Keep this in mind when you may be working on energized equipment, is this well maintained electrical system!

Submitted by Dennis Steier

President's Letter Cont'd

In closing, don't forget our website, www.echlky.com, or our Facebook page for ongoing information

As Always Stay Safe and Work Safe
Steve Willinghurst
ECHL President

LG&E NEWS

Off/On Inspections

Just a reminder that off/on scheduling needs to be planned in advance. Due to Covid as well as other seasonal interruptions Off/On can take up to 3 weeks to be scheduled. Please take the extra steps necessary to contact LG&E to get on the schedule as soon as you know you will need it.

Submitted by Henry Ford

Supporting our Industry

**** Electrical Equipment Needed ****

ECHL is committed to supporting the electrical industry and the training required to further the trade. In doing so, we ask for your old equipment / inventory to use for training.

ECHL contractors and or suppliers - if you are cleaning out your old Inventory and have material (electrical equipment) that is taking up space in your warehouse the Iroquois High School Electrical Program is seeking material that can be used for teaching students about electrical products they may encounter in the field. Educating our future apprentices is the goal.

Old or new! Glenn will take it all. Contact Glenn Piffer by email Glenn at glenn.pifer@jefferson.kyschools.us or at 502-500-0668 to arrange for delivery or pick up.

Thanks for your support!

Top Three Code Violations Louisville Metro Inspections

SEPTEMBER 2021

These violations are costing you time and money.

1. Every circuit and circuit modification shall be legibly identified as to it's clear, evident and specific purpose or use.

NEC Article # 408.4(A)

2. A listed fan box or ceiling box with access to a framing member shall be installed in all locations where a ceiling paddle fan could be installed in a habitable room..

NEC Article # 314.27(C)

3. The minimum length of conductors including equipment grounding conductors in all boxes shall be six inches with at least three inches of length extended outside the box.l.

NEC Article # 300.1

Please review the NEC articles above. Each of these articles are associated with a violation. Please keep in mind to follow through with the current approved CODE..

Being Turned down on a project, you lose money and time required to return to the job site for repairs to correct the violation.

We hope this will help save you time and money on inspection fees by reviewing the articles and making sure you have not violated the code before calling for the initial inspection.

Submitted by:

Arnold Hornback
Assistant Chief Electrical Inspector
Louisville Metro Dept of Codes and Regulations

2020 NOMINATING COMMITTEE SLATE OF OFFICERS AND BOARD MEMBERS

Here is the Slate of Officers to be presented at the September 13, 2021 General Membership meeting for approval:

Some Changes could take place prior to the meeting.

President	Steve Willinghurst (Louisville JATC)
1st V Pres	Dave True (NECA/Henderson Services)
2nd V Pres	Bruce Stansbury (Stansbury Ele Co)
Secretary	Marilyn Boudreaux (Retired LG&E)
Treasury	Alan Akin (Treasurer)
Industrial Ele	Jerry Curry (Industrial Electrical & ECHL Website Manager)
Contractor	Woolsey Kit Caye (Caye Ele Co)
Contractor	Kurt R. Wagner (Amteck)
Ele Insp	Arnold Hornback (Louis Metro)
Distributor	Tony Pittelko - Richards Electric
Manufacturer	Dennis Steier (Manf Rep/Consultant)
LG&E	Henry Ford
LG&E	Jamie Archer

Contractor Representatives:

- IAEI - Dennis Steier – KY Chapter Secretary
- NECA - Josh Quin (NECA)
- IBEW - Steve Willinghurst (IBEW)
- IEC - Bruce Stansbury (IEC)

If you would like to be a part of the ECHL Board of Directors, please let one of the staff members know. Thank you in advance for your interest.

What is the difference between the NEC and the NESC?

The main differences between NESC and NEC is the voltage. The NESC covers higher voltage systems such as transmission lines and substations and other facilities with an extremely high voltage electrical output

The titles NATIONAL ELECTRICAL CODE (NEC) AND NATIONAL ELECTRICAL SAFETY CODE (NESC) MAY SOUND SIMILAR, but the two cover two very different elements. Each electrical code covers unique aspects of two entirely different electrical systems. If your company specializes in either type of work, it would greatly benefit both you and your employees to have select (if not all) individuals trained. But which “Code” applies to what type of work? Here is the difference between the two.

WHAT IS THE NEC?

The NEC code covers the safe installation of electrical wiring and equipment used in premises wiring. This is the wiring that supplies electrical energy to industrial, commercial and residential buildings. This type of wiring supplies electricity to such equipment as lights, general use receptacles, swimming pools, motors, electrical appliances and other utilization equipment. Subjects covered include general wiring rules and methods.

WHY ARE THE DISTINCTIONS IMPORTANT?

When it comes to working with electricity, distinctions can be the difference between a safe environment and running into serious electrical problems. Both NEC and NESC address safe electrical installations and maintenance but the two systems are entirely different. Although similar in nature and the two systems use terms and definitions that are nearly identical for work conducted under each coding standards. However, while NEC focuses mostly on systems running up to 1,000 volts, NESC is generally seen as equipment using a substantially higher voltage.

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