



THE WIRE

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FEBRUARY 2025

The Presidents' Letter

Our January meeting was well attended with 44 members present. I gave a presentation on House Bill 29 that was introduced in January allowing the National Electrical Code to be amended, which is currently prohibited by Kentucky Statute. This bill could potentially be very damaging to our electrical industry and to the safety of Kentucky residents. At the end of the meeting, a motion passed stating that the ECHL is openly opposing House Bill 29 as introduced.

The 2023 National Electrical Code is now in effect. Please keep in mind that the 2023 NEC Sections 210.52(C), 230.67, and 314.27(C) are not mandatory until July 15, 2026. In addition, the requirement for GFCI protection for personnel for receptacles over 125-volt listed in the 2023 NEC Section 210.8(A) and the requirement for GFCI protection listed in 210.8(D) (8), (9), (10), and (11) is not mandatory until UL Standards 943 and 101 are revised.

Make sure you check with your respective electrical inspector before you do any installation covered by these sections!

After July 2024, any license renewals for contractor, master, or electrician licenses will be for two years. With this next renewal, you will pay a fee for two years. When you renew again two years later, you will be required to have 12 hours of continuing education for each license that is being renewed and will pay a fee for two years. Call the department at (502) 573-2002 with any questions.

The Sponsorship Form is on the website. If you know of any company that may be interested in becoming a sponsor, please print off the form and give it out to any prospective sponsor. The cost for a company or organization to become a sponsor is \$100.

At the February General Membership meeting, we will be voting on ECHL Board members. The slate of candidates is listed in this edition of the Wire. If anyone else is interested, please attend the meeting and your name will be listed as well.

Our annual 6-hour contractor continuing education

Continued on page 3

FEBRUARY 10, 2025 Code Program

Sign-in 6:30 P.M. - Program at 7:00 P.M.
ELKS LODGE # 8 - 2824 KLONDIKE LN -

The program for February will be a continuation of the December, Code Updates. The presentation will be directed by Steve Willinghurst and Dennis Steier and cover the Code Sections that will be enforced beginning on this month. Dennis will also touch some of the Code Articles that are being delayed. This presentation will be a review/comparison of each section of the Code updates from 2017 to present.

Feel free to participate by asking questions and voicing your concerns.

Bring a friend and enjoy the program.

Dennis Steier will also go over the Code Questions from the February 2025 Wire.

See you Monday Evening, February 10, 2025, at 6:30pm.

Stay Alert! Work Smart & Stay Informed!

LG&E NEWS

Hook up delays

Louisville Gas & Electric Company is committed to giving the customer the best experience possible in providing service to their project. One of the problems that continually hinder our ability to connect underground services in a timely manner is obstructions preventing access to the pad mount transformer and/or splice box. The crews often arrive to discover debris such as dirt, rocks or discarded building material piled up blocking the area needed to connect the service. When you know service is about to be connected, make sure the area is clear and free of any hazards. We will not move any of the objects. Also make sure there is no silt fencing in the way as well. Our crew will not be able to return the same day to connect the service. This means a several day delay in returning.

*Submitted by Joel McCauley
Team Leader Electric Design Svcs
LG&E and KU Energy LLC*

FEBRUARY Code Questions

1. Can a Low-voltage power circuit breaker electronic trip be reconditioned under the 2023 NEC? Where would you find this answer in the 2023NEC?

YES NO

Section: _____

2. What size copper conductor would you need for a 400-ampere service on a dwelling unit? Where would you find this answer in 2023NEC?

A) 350 MCM C) 400 MCM
B) 500 MCM D) None of above

Section: _____

3. Can you parallel 2/0 copper conductors for a 400-ampere service on a dwelling unit? Where would you find this answer in the 2023 NEC?

YES NO

Section: _____

4. Is there a minimum thickness of a nylon receptacle cover in the NEC? Where would you find this answer in the 2023 NEC?

Section: _____

5. How many 3/0 XHHW conductors can you install in a 12" wide 4" deep ventilated cable tray? Where would you find this answer in the 2023 NEC?

A) 15 C) 22
C) 18 D) None of Above

Table: _____ & _____

6. Would you have to derate the 20 3/0 XHHW conductors installed in the 12" wide 4" deep cable tray? Where would you find this answer in the 2023 NEC?

YES NO

Section: _____

Code Corner

Article 220

If you are doing a load calculation on a dwelling unit there are some changes and additions, you need to be aware of that are in the 2023 *NEC*. Here were several additions to the Article that will change what you have done in the past calculations.

A new subsection was added, **220.5(C) Floor Areas:** *the floor for each floor shall be calculated from the outside dimensions of the building, dwelling unit or other area involved. For dwelling units, the calculated floor area shall not include open porches or other areas not adaptable for future use as a habitable room or occupiable space.* Areas such as garages, or unused or unfinished spaces are no longer excluded from the calculated floor area of the building, dwelling unit, or other areas. The reasoning behind this change by Code Making Panel 2, that previous language that it may be considered such areas were exempt as not adaptable for future use. These areas are often finished and used as ancillary space for habitable portions in dwellings, buildings, or other space in the square footage calculation.

A new section was added the Article 220, **220.57 Electrical Vehicle Supply Equipment (EVSE) Load.** *The EVSE load shall be calculated at either 7200 watts (volt amperes) or the nameplate rating of the equipment, whichever is larger.* Code Making Panel 2 reasoning was based on 7200va on a 30 ampere 240-volt single phase circuit. With electric vehicles becoming more prevalent that this infrastructure they felt this change was needed in the *NEC*. I personally think this is a good addition the *NEC*, I may not see it in my lifetime, but the internal combustion engine will no longer be produced by the auto makers and vehicles will be powered by electric or some other power source. Someday down the road a gas station will be like the pay phone, have you seen many of them lately?

Submitted by Dennis Steier

Top Three Code Violations Louisville Metro Inspections FEBRUARY 2025

These violations are costing you time and money.

1. NEC Article # 200.6(B) AWG or Larger

An insulated grounded conductor 4 AWG or larger shall be identified by one of the following means:

- 200.6(B)(1) A continuous white outer finish
- 200.6(B)(2) A continuous gray outer finish
- 200.6(B)(3) Three continuous white or gray stripes along the conductor's entire length on other than green

- 200.6(B)(4) At the time of installation, by a distinctive white or gray marking at its terminations. This marking shall encircle the conductor or insulation.

2. NEC Article # 352.46 Bushings

Where a conduit enters a box, fitting or other enclosure, a bushing or adapter shall be provided to protect the wire from abrasion unless the box, fitting, or enclosure design provides equivalent protection.

3. NEC Article # 250.64(B)(2) Exposed to Physical Damage

A 6 AWG or larger copper or aluminum grounding electrode conductor exposed to physical damage shall be protected in rigid metal conduit (RMC), intermediate metal conduit (IMC), rigid polyvinyl chloride conduit (PVC), reinforced thermosetting resin conduit type XW (RTRC-XW), electrical metallic tubing (EMT), or cable arm.

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*

Presidents' Letter Cont'd

class is scheduled for Saturday February 8, 2025 at the IBEW Local Union 4315 Preston Highway Suite 102. It's next door to Male High School. The class starts at 8:00 am with sign-ins beginning at 7:30 am. Breakfast and lunch is included with the fee.

Our next general membership meeting is scheduled for Monday February 10, 2025 at the Elks Lodge located at 2824 Klondike Lane. The meeting starts at 7:00 pm with sign-ins beginning at 6:30 pm.

Hope to see you there.

As Always Stay Safe and Work Safe
Steve Willinghurst
ECHL President

!!! ECHL'S CONTRACTOR CLASS !!!

Mark your calendar for February 8, 2025 for ECHL's Annual Contractor Class. Class will be held at the IBEW Local Union at 4315 Preston Highway Suite 102. It's next door to Male High School. The class starts at 8:00 am with sign-ins beginning at 7:30 am. Breakfast and lunch is included with the fee.

Cost has remained the same. Members \$70. Non-Members and Pay-at-Door - \$125. There is a registration form enclosed in this Wire or you can print one from our Website ECHLKY.COM. Any questions, please contact Denise Arnold (502) 491-5010 or Marilyn Boudreaux (502) 528-9319.

Condolences - Reed Electric Company

Tyrone Reed passed away on Wednesday, January 15, 2025, at the hospital. Tyrone was being treated for pneumonia. He had a heart condition as well as fluid on his lungs. He passed away later that day. Tyrone was a long-time member of the ECHL for as long as I can remember. ECHL's board and member send our condolences and prayers to Judy and the family. May he Rest in Peace.

2025 NOMINATING COMMITTEE SLATE OF OFFICERS AND BOARD MEMBERS

Here is the Slate of Officers to be presented at our February 10, 2025 General Membership meeting.

The slate of new officers will be presented in the February wire for confirmation and a vote at the February 10, 2025 General Meeting.

President	Steve Willinghurst (Louisville JATC /IBEW/ Retired)
1st V Pres	David True (NECA/Henderson Services/ Retired)
2nd V Pres	Bruce Stansbury (Stansbury Electric Co/ ABC)
Secretary	Marilyn Boudreaux (LG&E/Retired)
Treasurer	Alan Akin (Arrow Electric/Retired)
Contractor	Kurt R. Wagner (Amteck)
Contractor	Mark Yates (Yates Electric)
Contractor Rep	Josh Quinn (Representing NECA)
Industrial Elect.	Jerry Curry (Ford-KTP/Retired)
Elect. Insp	Arnold Hornback (Louis Metro)
Elect. Insp	Norb Thorpe (Louis Metro)
Manufacturer	Dennis Steier (Manufacturer Rep/ Consultant/KY Chapter IAEI Rep)
LG&E Utility	Jamie Archer (LG&E)
LG&E Utility	Joel McCauley (LG&E)

We are always looking for new/fresh Board Members. If you take an interest in all aspects of the Electrical Industry and play a role in its future, our Board offers you that opportunity, 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.

Mark you calendars - CEU Renewals!

Our General Membership meetings are held at the Elks Lodge located at 2824 Klondike Lane. The meeting starts at 7:00 pm with sign-ins beginning at 6:30 pm. You can obtain 1.5 CEU Hours toward your Master Electrician License.

Upcoming ECHL General Membership Meeting Dates

March 10, 2025

April 14, 2025

May 12, 2025

Summer Break (June, July & August)

September 8, 2025

October 13, 2025

November 10, 2025

December 8, 2025

Applications for membership can be obtained from our website: www.ECHLKY.com

Please encourage your employees to join us at the General membership meetings. It's a great place to network with the electrical industry. We have a very diverse set of members, large contractors, small contractors, individual electricians, inspectors, Utility (LG&E), etc. Come and join us and receive 1.5 hours continuing education at the same time.

We hold our meeting the second Monday of each month, except for the summer months. Our Meetings start at 7:00, with sign-ins starting at 6:30 pm. It's a full 1.5 hours of knowledge on the code, upcoming code changes, and upcoming changes from Frankfort regarding license and code.

Hope to see you there,