

The logo features the NECA acronym with a stylized wave and stars above it, followed by the text "North Florida Chapter" and "CONNECTION" in large, bold, white capital letters. The background is a dark blue with a glowing circuit board pattern.

# NECA North Florida Chapter CONNECTION

## Board of Directors

**President:** Edward Witt Jr.

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## Upcoming Course Offerings

### Upcoming Class Highlight:

#### Leadership Dynamics

This course is a management platform to give participants the skills they need to develop leadership power, transform resistance into support, master best practices for influencing others and delegate effectively

[RSVP Here!](#)

Monday, August 22nd, 2022.

8:00 a.m. - 4:00 p.m.

*Will be held at the North Florida NECA office*

**Masks Required per Instructor's Request**

## Change Order Management (Part 1)

Effective change order management can dramatically reduce a subcontractor's risk and increase profitability. This four-hour interactive course explores the change order process from a subcontractor's view point and provides participants with hands on training in recognizing, scoping, pricing, and negotiating change orders. This course culminates in a mock negotiation where participants can immediately practice the skills that they have learned. Attendees to include field leaders, project administrators, project engineers, project managers, project executives, group/branch executives, financial managers, owners.

**Monday, August 29th, 2022.**

**9:00 a.m. - 12:00 p.m.**

***Virtual Class***

## Building The Case to Win- Claims and Change Orders (Part 2)

In this session, the group will discuss contract risk management and preservation of rights in order to increase the chances of financial recovery during project execution. Since the most valued information for contract conflict resolution come from those closest to the work, the basics of preparing that documentation and effectively translating the information will be discussed. The group will gain understanding and review examples of risky contract clauses, the process of claims management, the legalities of change order control, and preparation for lawsuits. Attendees to include field leaders, project administrators, project engineers, project managers, project executives, group/branch executives, financial managers, owners.

**Tuesday, August 30th, 2022.**

**9:00 a.m. - 12:00 p.m.**

***Virtual Class***

## The Art of Clear Communication: Get What You Want, When You Want It

True success in the workplace is the ability to achieve desired results through positive interaction and the willing cooperation of others. Learn how to develop synergy, build strengths, and enhance interpersonal skills by focusing on communication techniques to foster teamwork and get results.

**Monday, September 19th, 2022.**

**8:00 a.m. - 4:00 p.m.**

***Will be held at the North Florida NECA office***

***Masks Required per instructor's request***

## Technology Trends That Drive Success

By 2020 Internet-connected devices will grow from 400 million today to 50 billion and smart phones will have the capability of storing and accessing as much information as IBM's supercomputers. Technology will be even more critical in gaining new customers and recruiting key employees as everyone (employees, clients and competitors) will have hand-held access to the biggest, smartest, fastest computers in existence today and the workforce you hire has never lived without technology. Successful contractors understand the positive impact that technology has on business processes, the ability to respond to change, cost savings, efficiency and the bottom line. Attendees to include field leaders, project administrators, project engineers, project managers, project executives, group/branch executives, financial managers, owners.

**Wednesday, November 9th, 2022.**

**9:00 a.m. - 11:00 a.m.**

***Virtual Class***

## Human Performance - Its Role in Electrical Operations and Safety Excellence

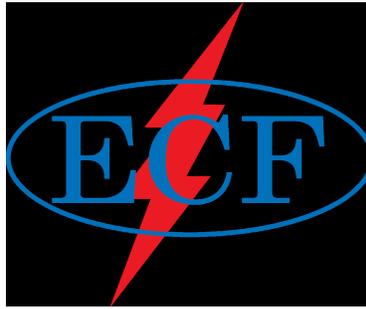
Studies show that the likelihood of a serious event being linked to human performance is 90 - 95% versus equipment failure 5 - 10%. Opportunities exist to significantly raise awareness in employees leading to behavior change. This program is designed to raise awareness to those behaviors that put our employees, operations and the public at risk.

**Wednesday, November 16th, 2022.**

**8:00 a.m. - 12:00 p.m.**

***Will be held at the North Florida NECA office***

## ECF 2022 Continuing Education Schedule



### North Florida Chapter NECA is excited to be teaming up with ECF for Member CEU's!

Guests will be allowed at classes based on space availability for a cost of \$25 per credit hour or \$235 to join as a member and receive all courses and benefits of ECF membership for the year. **Register early.** If you notify our Chapter of your registration, we will reimburse members in good standing up to \$1,000 per company. All hours will be reimbursed after attendance at courses is verified. Please contact us with the individual in your company who will be registered, the courses needed, and the location desired (or if virtual).

**Registration is now open:** You may choose any location and date you'd like to attend with the exception of the Volusia Chapter, which is open at this time exclusively to the Volusia Chapter members and returning attendees from the Volusia Classes held last renewal cycle. After May 1st registration will be open to everyone based on space available.

Guests will be allowed at classes based on space availability for a cost of \$25 per credit hour.

**DATE:** July 15 & 16, 2022

**LOCATION:** Hampton Inn – New Smyrna Beach  
214 Flagler Avenue. New Smyrna Beach, FL 32169

**CHAPTER:** Volusia

(Open to everyone after 5/1/22)

**REGISTRATION LINK:** <https://www.ecf-fl.org/event-4736719>

**DATE:** July 29 & 30, 2022

**LOCATION:** Coresential  
3119 Queen Palm Dr. Tampa FL 33619

**CHAPTER:** Tampa-Pinellas\*

**REGISTRATION LINK:** <https://www.ecf-fl.org/event-4736679>

**Courses Offered:** A detailed catalog of course offerings will be posted shortly on our website at [www.ecf-fl.org](http://www.ecf-fl.org). All 2-day seminars will include a minimum of 13 hours of continuing education and will cover all of the required courses needed for renewal. *Please familiarize yourself with all required hours for your specific license renewal. A list of all licenses and requirements is attached.* Two of the sessions will be offered in-person and online, see below \*\* All of the 2-day seminars will include the following:

- 1-hour of Workplace Safety
- 1-hour of Workers' Compensation
- 1-hour Business Practices
- 1-hour of Laws and Rules
- 1-hour on the 7th Edition (2020) Advanced Florida Building Code (FBC)
- 2 hours of Preventing False Alarms for contractors who engage in alarm system contracting.
- 6 hours of Technical

\* The Edison and Tampa-Pinellas classes will be held in a hybrid format with both in-person and

online options. Online students must have a camera and always remain live during the classes. Additionally, code words will be given during the classes that will be required to complete the survey after class to secure CE Credits.

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## Registration for NECA Austin 2022 is now open!



### Registration Is Now Open!

NECA is excited to announce that registration has opened for the 2022 NECA Convention & Trade Show in Austin, TX. This is the electrical construction industry's premier event. Attendees will gain access to industry-leading education, top-notch speakers, networking, entertainment and North America's largest Electrical Construction trade show.

*NECA Austin 2022 will be held **Oct. 15-18, 2022** at the Austin Convention Center.*

If you are interested in registering and would like the Chapter to assist you in your registration, please reach out to our office and we would be happy to assist you! Early registration ends on August 3rd, register soon to get the best prices on registration and hotels in Austin!

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## Legislative Updates

### ➤ **Sweeping Tax Package**

The legislature's robust tax package delivers \$1.1 billion in broad-based tax savings to families across the state over two years, with a focus on long- and short-term sales tax relief. The legislation results in savings for Floridians who are preparing for the upcoming 2022 Hurricane Season and the 2022-2023 school year, raising young children, purchasing ENERGY STAR appliances or skilled worker tools; as well as, individuals and families enjoying outdoor activities and events. With gas prices at an all-time high, a month-long gas tax holiday will provide relief for every Floridian who drives a car. The bill also eliminates property taxes for homeowners who suffered losses in the Champlain Towers condominium collapse in Surfside, Florida, and expands existing property tax relief for deployed military service members, widows, widowers and blind or disabled Floridians. The tax package includes the following:

- **Establishes the 2022 Back-to-School Sales Tax Holiday** - The legislation creates a 14-day "back-to-school" sales tax holiday from July 25 – August 7, 2022, for clothing, footwear, and backpacks costing \$100 or less, school supplies and learning aids costing \$50 or less, and personal computers or computer-related accessories, including non-recreational software costing \$1,500 or less.

- **Establishes the 2022 Skilled Worker Tools Sales Tax Holiday** - The legislation creates a seven-day sales tax holiday from September 3 – 9, 2022, for certain tools used by skilled trade workers. Tax-free items include certain hand and power tools, work boots, safety equipment, shop lights, toolboxes, and belts, plumbing and electrical

equipment, and industry textbooks and codebooks.

- **Establishes the 2022 Gas Tax Holiday** - The legislation creates a month-long fuel tax holiday from October 1 – 31, 2022. The holiday will reduce the tax on motor fuel by \$0.25 per gallon.

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## Girl Scout Event at Jacksonville University!

*North Florida Chapter NECA* had a wonderful time meeting with the Girl Scouts and teaching them how to bend conduit and learn how Snap Circuit boards work along with *Miller Electric Company* and *The Electrical Training Alliance of Jacksonville!* Thank you so much to *Milwaukee Tool* for donating these awesome supplies to us for this event! The kids had so much fun dressing in PPE gear and experiencing how much fun it can be learning the basics of electrical conduit and learning about the amazing career that these young ladies may have in store for them in the future! Thank you to *Miller* and *ETAJ* for joining us and showing the Girl Scouts a great time!



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## Project Excellence Awards!

**Deadline Extended!**



To showcase the exceptional work performed by our member-contractors throughout the country, the National Electrical Contractors Association created the Project Excellence Awards to recognize companies for their outstanding commitment, professionalism and ingenuity in delivering an electrical project across 13 different market sectors.

***NECA will accept submissions for the 2022 Project Excellence Awards from March 1st to July 15th, 2022.***

Awards will be based on whether the electrical/technology portion of the project is valued under or over \$1 Million for each market sector, except for industrial, low voltage/integrated systems, overhead transmission, residential, substation/interconnection and transportation/infrastructure.

**Applications submitted must be based on projects completed in 2021.**

**[Login and submit your 2022 NECA Project Excellence Awards here.](#)**

**[Click here to view the 2022 NECA Project Excellence Awards Program Rules.](#)**

**[Click here to view the Judging Criteria for the 2022 NECA Project Excellence Awards.](#)**

**[Click here to view the 2021 NECA Project Excellence Awards Winners.](#)**

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# Codes and Standards Report

## Make Your Mark: Electrical circuits and equipment markings in the NEC

In the past few *Code* cycles, more emphasis has been provided on marking electrical branch circuits and feeders to indicate where the source of energy originates, the amount of fault current available at the service and how fast the service overcurrent device will open in a fault condition. The markings' purpose is to provide more information involving the source's identification so the circuits can be shut down by putting them into an electrically safe work condition or to implement lockout/tagout procedures as required in NFPA 70E Article 120, and especially with the eight different steps in 120.5 of NFPA 70E. This has been a concentrated effort to more closely align the *NEC* with the safety requirements found in NFPA 70E and OSHA. Here are these requirements' locations in the NEC.

Section 110.16(B) was added in the 2017 *NEC* to require a permanent label to be field- or factory-applied to service equipment rated at 1,200A or more at other than dwelling units. This label must meet the requirements in 110.21(B) and contain the following information: "(1) Nominal system voltage; (2) Available fault current at the service overcurrent protective devices; (3) The clearing time of service overcurrent protective devices based on the available fault current; and (4) The date the label was applied."

One exception to this requirement that states, "service equipment labeling shall not be required if an arc flash label is applied in accordance with industry practice."

The purpose of this label at the service overcurrent protective device is to help determine incident energy levels, arc flash boundaries and required PPE levels based on NFPA 70E Article 130.

Section 110.16(B) sends us to 110.21(B), Field-Applied Hazard Markings. This states that where caution, warning or danger signs or labels are required by the *NEC*, the labels must meet the following requirements: "(1) The marking shall warn of the hazards using effective words, colors, symbols, or any combination thereof; (2) The label shall be permanently affixed to the equipment or wiring method and shall not be handwritten, unless the portions of labels or markings are variable or could be subject to changes, then handwritten is permissible but shall be legible; and (3) The label shall be of sufficient durability to withstand the environment."

A label will be installed to encourage the electrician or maintenance person to work on it in a deenergized condition.

In addition, 110.22(A) requires each disconnecting means to be legibly marked to indicate its purpose, unless located and arranged so the purpose is evident. For the 2020 *NEC*, an additional sentence has been added to this section that states "in other than one- or two-family dwellings, the marking shall include the identification of the circuit source that supplies the disconnecting means."

This label applies to all branch-circuit and feeder disconnecting means to ensure that the circuit's source can be easily identified, disconnected and locked out/tagged out, again to ensure the electrician or maintenance person works on it in a deenergized condition.

Dealing with field labeling or marking, 110.24 requires service equipment, at other than dwelling units, to be legibly marked in the field with the available fault current. The field marking(s) shall include the date the fault-current calculation was performed and be of sufficient durability to withstand the environment involved. The calculation must be documented and made available to those authorized to design, install, inspect, maintain or operate the system. In other words, to most professionals working on the electrical system.

### Modifications or changes:

If there are any modifications or changes that might affect the available fault current at the service, the available fault current must be verified or recalculated as necessary to ensure the service equipment ratings are sufficient for the available fault current at the line terminals of the equipment.

The requirements that are covered in 110.16(B), 110.21(B), 110.22(A) and 110.24 are normally required at time of initial equipment installation and may require the action of the electrical contractor, not the electrical engineer, unless the engineer is being paid specially for these labels and applications.

Another marking requirement for disconnecting means in 450.14 states that transformers, other than Class 2 or Class 3 transformers, must have a disconnecting means located either in sight of the transformer or in a remote location. When the disconnecting means is in a remote location, it shall be lockable open in accordance with 110.25, and its location shall be field-marked on the transformer. This

again ensures the transformer can be easily disconnected so the person can turn it off before working on it. Altogether, marking and identifying branch circuits and feeder disconnecting means increases in safety.

By Mark C. Ode Published in Electrical Contractor Magazine, Feb 15, 2022

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## JATC Apprenticeship Report

### Jacksonville JATC

To the members of the North Florida Chapter of N.E.C.A. -

*Happy Independence Day* from the Electrical Training Alliance of Jacksonville!! We hope your holiday was a great one. July finds us busy getting ready for the Math Class to begin this week. Accepted applicants will be attending Math Class two times a week and finishing on August 25th.

As mentioned in last month's newsletter, the May 19th cutoff date for applications netted us 409 applicants for the Inside Program and 37 applicants for the VDV Program giving us a total of 446 applications. 183 applicants took the Aptitude Test. Interviews were concluded on June 22nd. The Trustees accepted 102 for the Inside and 6 into the VDV Program's.

Apprenticeship Orientation will be held on September 13th at the Double Tree Hotel in downtown Jacksonville. This will be the first time in several years that we will have all five apprenticeship classes together at the same time. There will be several vendors present giving out door prizes and drawings. We will also have attendees from both NECA and the IBEW.

As always, I am here to answer any questions you may have. Feel free to contact me if I can help with anything. On behalf of the Trustees of the Apprenticeship Committee, thank you for your continuing support.

*Daniel Van Sickle*  
*Apprenticeship and Training Director*

*Daniel McEachern*  
*Assistant Training Director*

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## Looking Forward

- **August 22nd, 2022-** *Leadership Dynamics*
- **August 29th & 30th, 2022-** *Change Order Management Parts 1 & 2 (Virtual)*
- **September 13th, 2022-** *Membership Meeting*
- **September 19th, 2022-** *The Art of Clear Communication: Get What You Want When You Want It*
- **November 9th, 2022-** *Technology Trends That Drive Success(Virtual)*
- **November 16th, 2022-** *Human Performance and Its Role in Operational and Safety Excellence*
- **December 2nd, 2022-** *Holiday Party at TopGolf!*
- **December 2nd, 2022-** *Membership Meeting at TopGolf!*

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