



# SUMMER

OUR 56TH YEAR

CONTRA COSTA CHAPTER

September 2019



*September 2, 2019*

Labor Day, a holiday recognized under all of our Agreements with IBEW, will be observed on Monday, September 2, 2019. Our Inside Wireman Agreement and the Sound and Communication Agreement specifically prohibit any work from being performed on Labor Day, except in the case of an emergency.

You should also be aware that Friday, August 30, is a "Carpenters Off-Day" under the Inside Wireman Agreement.

[History of Labor Day](#)

## **Annual Meeting of the Contra Costa County Electrical Industry Trust**

The Annual Meeting of the Contra Costa County Electrical Industry Trust will be held at Ruth's Chris Steak House, in Walnut Creek, Thursday, September 26, 2019 @ 6:00 p.m. Our September NECA Chapter Membership Meeting will be held in conjunction with the Annual Meeting, and is open to all signatory contractors.

Each year the Board of Trustees report on the progress of the Electrical Industry Trust and the other Trust funds that are included in the hourly contribution rate, which include the Joint Apprenticeship and Training Committee, our local LMCC, and our Statewide LMCC, our Compliance Program and our Legislative Advocacy Program.

The Electrical Industry Trust will also be holding an election during this meeting to fill two Trustee positions. Candidates must be a representative of a Contra Costa-based firm that makes contributions on a regular basis to the various Trust funds under the Inside Wireman's Agreement. If interested, please contact the NECA office to get the proper nomination form and procedures.

Please make an effort to attend this meeting so you can catch up on anything you may have missed over the summer.

Please click here to

**RSVP**

## NECA Learning Center

***New Courses  
Available  
Include:***

### [State-Approved Code Courses for CEUs](#)

Project Management courses on [requests for information](#), [crew size and structure](#), and [project contracts](#).

[General Business](#) courses on topics such as [Conflict Resolution](#), [Creating Strong Team Culture](#), [Managing Different Generations](#), [Note Taking](#), [Stress Management](#) and [Time Management](#)

### [Line Foremanship Fundamentals online course](#)

If you do not have your login information to enter the National NECA Website, contact Sharon Spare at the Chapter office via email ([sspare09@sbcglobal.net](mailto:sspare09@sbcglobal.net)) or call 925-372-3222 x10 for assistance.



**Contractors**  
State License Board

## **CALIFORNIA BOARD VOTES TO LIMIT WHO CAN INSTALL ENERGY STORAGE**

The vote by a committee of the Contractor State License Board begins a process to limit the kind of energy storage systems that solar installers who do not have a C-10 Electrical Contracting license can install.

August 6, 2019, the Legislative Committee of California's Contractor State License Board (CSLB) voted to begin the process of limiting the installation of energy storage systems, including those that accompany rooftop solar, to licensed electricians.

In specific terms, this means those who hold a C-10 electrical license, and not solar installers who only hold C-46 licenses. While the committee did not go forward with an outright ban, the option that it chose would allow solar installers with C-46 licenses to install energy storage only under the following circumstances:

- Limit to a PV system up to 10kW on a single-family dwelling or duplex with a battery system that must not exceed a 5kW backup/20kWh energy
- The battery system is installed at same time as solar PV system
- No upgrade or alteration is made to the existing electrical system



*CALSSA Executive Director Bernadette Del Chiaro provides testimony before the CSLB. Image: CALSSA*

California Solar and Storage Association (CALSSA) blamed both the utilities and the International Brotherhood of Electrical Workers (IBEW), which had pushed for the outright ban on installations by C-46 license holders.

... *Click [here](#) to read entire story.*

# Are You Qualified?

| <b>WARNING</b>   |  |   |
|--|--|---|
| <b>Arc Flash and Shock Hazard<br/>Appropriate PPE Required</b> |  |   |
| Nominal System Voltage: _____                                  | Arc Flash PPE Category: _____                          |   |
| Arc Flash Boundary: _____                                      | Min. Arc Rating of Clothing: _____ cal/cm <sup>2</sup> |   |
| <b>Arc-Rated PPE</b>   | <input type="checkbox"/> Long Sleeve Shirt             | <input type="checkbox"/> Flash Suit Hood    |
| <input type="checkbox"/> Long Pants                            | <input type="checkbox"/> Flash Suit Jacket             | <input type="checkbox"/> Hard Hat Liner     |
| <input type="checkbox"/> Coverall                              | <input type="checkbox"/> Flash Suit Pants              | <input type="checkbox"/> Cotton Underwear   |
| <input type="checkbox"/> Face Shield                           | <input type="checkbox"/> Gloves                        | <input type="checkbox"/> Additional PPE     |
| <input type="checkbox"/> Balaclava                             | <input type="checkbox"/> Jacket                        | <input type="checkbox"/> Hard Hat           |
|  |  | <input type="checkbox"/> Safety Glasses     |
|  |  | <input type="checkbox"/> Safety Goggles     |
|  |  | <input type="checkbox"/> Hearing Protection |
|  |  | <input type="checkbox"/> Leather Gloves     |
|  |  | <input type="checkbox"/> Leather Footwear   |
| Equipment ID: _____  | Date: _____  |   |

**To be recognized by OSHA as a Qualified Electrical Worker you must complete Electrical Safety Training (NEC Art.100).**

## NFPA 70E Training

**This class is for electricians and all levels of management.**

**NECA members welcome.**

**Electrical Safety Culture - Justification for Energized Work - Qualified Person**

**Complying with OSHA and your Company's Policies - What are the Hazards?**

**When and How to Establish an Electrically Safe Work Condition - Who is Responsible?**

**The "Energized Electrical Work Permit" a Blueprint for Safety - Selection of Tools and PPE**

**Shock and Flash Protection Boundaries Simplified - Safer Electrical Systems**

**Questions and Answers**

**Instructor: Joe Buhowsky – [jbuhowsky@sbcglobal.net](mailto:jbuhowsky@sbcglobal.net)**

**Saturday, September 7<sup>th</sup> & 14<sup>th</sup> (16 hours)  
8:00 am – 4:30 pm**

**Cost \$65 - Includes copy of NFPA 70E 2018**

(Similar classes elsewhere cost \$450 - \$1,950.)

**For more information go to:**

**Zero Net Energy Center <https://www.znecenter.org/> and click on "Continuing Education".**



*(This class can be delivered on site.)*



# Technological Innovations: Increasing Safety, Reducing Costs

More and more, emerging technologies have promising applications in construction and building projects. In the past, the construction industry has been characterized as being traditional and resistant to change. Two of the biggest challenges for contractors, designers and developers have been increasing safety and reducing costs. Technological innovations such as developments in connected devices (IoT), drone-based supervision and inspection, augmented reality, and off-site assembly of building products (prefabrication and modular construction) help with both these challenges.

In construction, connectivity (IoT) generates abundant data through tools, equipment and gear worn by construction personnel. Live monitoring allows construction activities to be programmed more efficiently, preventing accidents. The efficiency of tools and equipment is being improved by tracking performance in the



*Drone technology promotes workplace safety by mitigating job risk sites and enabling smarter ways to build and survey unsafe areas. Drones can survey environmentally hazardous areas, check job progress, map worksites and keep tabs on productivity and safety.*

field. Tracking of heavy machinery enhances fleet management and helps prevent theft. Drones can sweep a large construction project in a matter of hours, where such data required days or weeks to be collected on foot in the past. Detecting issues normally hidden from sight, drones can observe construction sites inaccessible for humans. With the ability to take observations that would expose surveyors to injury, drones are improving safety for inspectors, safety supervisors, and the workforce in general. [Read more about technology impacting workplace safety »](#)



*Charlie Trout's*

# CODE QUESTION OF THE DAY

*Do you know all the ins and outs of the Code?*

NECA and Electrical Contractor magazine are pleased to present their daily online feature, "Code Question of the Day."

**One good way to try to keep up with the technical side of electrical installations is to sign up for Charlie Trout's NEC Question of the Day. Every weekday there will be a new featured question as well as the question and answer from the previous day. Click [here](#) to see an example. To sign up for the free subscription click [here](#). It takes less than a minute and it is free.**



## SYNERGY eLinks

[BUSINESS ROUNDTABLE REDEFINES  
THE PURPOSE OF A CORPORATION](#)

[SEXUAL HARASSMENT PAMPHLET](#)

[2019 NECA LAS VEGAS BROCHURE](#)

[GUIDE TO NEBF PARTICIPATION AGREEMENTS  
FOR NON-BARGAINING EMPLOYEES](#)

[DISCLOSURE ABOUT AN EMPLOYER'S PARTICIPATION IN A  
MULTIEMPLOYER PLAN](#)

[2019 INSIDE WIREMAN HOLIDAYS](#)

[SOUND AND COMMUNICATION AGREEMENT WITH UPDATED  
WAGE SCHEDULES FEBRUARY 2019](#)

[NEBF 2018 ANNUAL FUNDING NOTICE](#)



| Sun                          | Mon                                | Tue  | Wed | Thur  | Fri | Sat   |
|------------------------------|------------------------------------|--|-----|---|-----|---|
| 1                            | 2<br><i>Labor Day<br/>Holiday</i>  | 3  | 4   | 5   | 6   | 7   |
| 8                            | 9                                  | 10<br><b>HEALTH &amp;<br/>WELFARE</b><br>Training Center<br>Martinez<br>11:00 a.m. | 11  | 12  | 13  | 14<br><b>NECA 2019<br/>Las Vegas</b><br>Board of Governors<br>Meeting 8:30 a.m. |
| 15                           | 16                                 | 17   | 18  | 19<br><b>ELECTRICAL<br/>CODE</b><br>Zio Fraedos<br>Sub: 10:30 a.m.<br>Gen: 11:45 a.m.                               | 20  | 21  |
| <b>NECA 2019 - Las Vegas</b> |                                    |  |     |   |     |   |
| 22                           | 23<br><i>First Day<br/>Of Fall</i> | 24<br><b>JATT</b><br>Training Center<br>Martinez<br>2:00 p.m.                      | 25  | 26<br><b>ANNUAL<br/>INDUSTRY TRUST</b><br>Ruth Chris's 6:00 p.m.<br><b>NECA<br/>Board of Directors</b><br>4:30 p.m. | 27  | 28  |
| 29                           | 30                                 |  |     |   |     |   |



**CONTRA COSTA CHAPTER**  
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