



THE MONTEREY CURRENT

September 2011

INSIDE THIS EDITION:

- DAS Makes New Appointments*
- Executive Management Institute Scheduled*
- NECA Convention Update*
- IBEW #234 Annual Picnic*
- IBEW Convention Slated*
- EVITP Class*
- Code Books On Sale*
- Like us on Facebook*
- The Basics of Cloud Computing*
- Tamper Resistant Receptacles*
- OSHA Settlement - Digger Derricks*
- Upcoming Events Calendar*

DAS MAKES NEW APPOINTMENTS

Ravnik Appointed Chief of the DAS: Diane Ravnik has been appointed by Governor Brown to serve as chief of the Division of Apprenticeship Standards at the Department of Industrial Relations. Diane has been a private consultant since 2007, with clients including the Alliance for Labor Standards, Education and Training and the National Alliance for Fair Contracting. From 2004-2007 she was staff counsel and Alameda County program coordinator for NCECI. Prior to

that, she was chief deputy director of the Division of Apprenticeship at the Department of Industrial Relations.

Governor Brown has also appointed Jack Buckhorn, IBEW Local 551 business manager, to the California Apprenticeship Council. Jack has served as the business manager for Local 551 since 2004 and was a business agent from 1998-2001. From 1989-1998, Jack was a training director for the Redwood Empire JATC.

EXECUTIVE MANAGEMENT INSTITUTE SCHEDULED

On September 21-25, NECA will hold its annual EMI course, designed to enhance the leadership skills of current and up-and-coming executives and managers. This year's course will be held at the Post Hotel in Niagara-on-the-Lake, Ontario, Canada. Enrollment is limited to 20 participants, so if you are interested in attending please do not delay in submitting your registration.

Questions? Contact Greg Mankevich at NECA's Management Education Institute, gam@necanet.org.



NECA CONVENTION UPDATE

Join us in San Diego!!

Don't forget!! The Board of Directors has extended an offer to each regular member of our Chapter to make it easier for you to attend the 2011 NECA Convention in San Diego. The chapter will pay up to \$2,400 for you to attend!! That's right! The convention will be held October 22-25 at the San Diego Convention Center and there are many opportunities to enhance your business including education courses, excellent speakers and a first class trade show.

A chapter dinner will be held on Monday evening at Island Prime in their private cabanas. We hope those in chapter members in attendance will be able to join us. Transportation will be provided from the Omni Hotel.

Need help with registration? Just contact Jerri Champlin to handle your registration and hotel reservations. If you prefer to make accommodations outside the room block, you should be aware that there is a fee from NECA National for not staying at a convention hotel.

What expenses are covered? This will cover your full registration to the convention, hotel and airfare for members -- sorry, but you must pay the cost of your spouse to attend. In order to get your reimbursement, receipts are required. For more information about the NECA Convention and Tradeshow, visit their website at <http://www.necaconvention.org/>

We hope that you will make plans to meet many of your colleagues in San Diego! If you haven't used your education reimbursement, this would be an excellent way to take advantage of that as well. The classes that are available are excellent!

The Monterey Bay Chapter has been assigned to the Omni Hotel which is in walking distance to the convention center. Don't forget...If you would like assistance in registering for the convention, please do not hesitate to contact the chapter office.



IBEW LOCAL 234 ANNUAL PICNIC

You are invited to attend....Saturday, September 24, 2011 at Toro Park, Buckeye Picnic Area in Salinas Off Hwy 68 in Salinas. Time: 11 am to 2 pm serving the Barbecue at 12 noon.

Please RSVP by Friday, September 16th with the IBEW Office to receive your free parking pass, call (831) 633-2311 or (800) 499-4239.

Games and Activities: Drawing for Prizes, Pony Rides, Jump House,

and Face Painting. Hope to see you there!

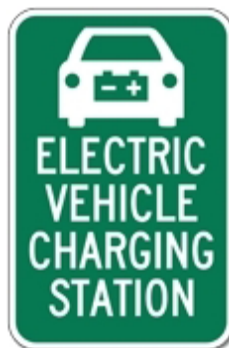


IBEW INTERNATIONAL CONVENTION

The IBEW is preparing for the 38th International Convention. This event will take place in Vancouver, British Columbia, on Canada's Pacific coast. The 38th International Convention will be held September 16-23, 2011.

Held every five years, the IBEW convention is a massive undertaking, bringing some 3,000 local union delegates, officers, staff and guests to the host city. The convention is where the IBEW conducts the heart of its business, setting broad policy goals to guide the union over the next five years in an open, democratic forum.

Chapter Manager Jerri Champlin plans to attend this year as will Business Manager of Local #234, Ken Scherpinski,



EVITP CLASS

Electric Vehicle Infrastructure Training Program is a Journeyman upgrade class designed for certified electricians. EVITP will help us create an edge to provide for the rapid deployment of a trained and certified workforce to build and maintain an electric

vehicle charging infrastructure across the nation.

The next EVITP class, with Instructor Stephen Slovacek, is scheduled to begin on September 26th at 5:30pm. The class will continue for three more evening on September 27th, 28th, and 29th. The class will conclude with two full Saturdays on October 1st and 8th starting at 7am.

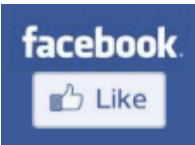


CODE BOOKS

Available for purchase are 2011 National Electrical Code books. Both softbound and the hardbound Handbook are available. The 2011 NEC Handbook is \$133.69 and the 2011 NEC softbound is \$84.13.

The 2008 NEC Handbook is \$133.69 and the 2008 NEC softbound is \$84.71.

The 2005 NEC Handbook is \$119.86 and the 2005 NEC softbound is \$75.49. If you would like to purchase anything from the JATC, please pay with a check, money order or credit card.



“LIKE” US ON FACEBOOK

Take a moment to visit the chapter website and click on the Facebook logo and “like” us....and we hope you do! Any suggestions on things you would like to see added? Just give us a call or drop a quick email. We would love to add things that would make your job easier.

THE BASICS OF CLOUD COMPUTING



*By: Alexa Huth and James Cebula
United States Computer
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What is the cloud?

Cloud computing is receiving a great deal of attention, both in publications and among users, from individuals at home to the U.S. government. Yet it is not always clearly defined.

Cloud computing is a subscription-based service where you can obtain networked storage space and computer resources. One way to think of cloud computing is to consider your experience with email. Your email client, if it is Yahoo!, Gmail, Hotmail, and so on, takes care of housing all of the hardware and software necessary to support your personal email account. When you want to access your email you open your web browser, go to the email client, and log in. The most important part of the equation is having internet access. Your email is not housed on your physical computer; you access it through an internet

connection, and you can access it anywhere.

If you are on a trip, at work, or down the street getting coffee, you can check your email as long as you have access to the internet. Your email is different than software installed on your computer, such as a word processing program. When you create a document using word processing software, that document stays on the device you used to make it unless you physically move it. An email client is similar to how cloud computing works. Except instead of accessing just your email, you can choose what information you have access to within the cloud.

How can you use the cloud?

The cloud makes it possible for you to access your information from anywhere at any time. While a traditional computer setup requires you to be in the same location as your data storage device, the cloud takes away that step. The cloud removes the need for you to be in the same physical location as the hardware that stores your data. Your cloud provider can both own and house the hardware and software necessary to run your home or business applications. This is especially helpful for businesses that cannot afford the same amount of hardware and storage space as a bigger company. Small companies can store their information in the cloud, removing the cost of purchasing and storing memory devices. Additionally, because you only need to buy the amount of storage space you will use, a business can purchase more space or reduce their subscription as their business grows or as they find they need less storage space. One requirement is that you need to have an internet connection in order to access the cloud. This means that if you want to look at a specific document you have

housed in the cloud, you must first establish an internet connection either through a wireless or wired internet or a mobile broadband connection. The benefit is that you can access that same document from wherever you are with any device that can access the internet. These devices could be a desktop, laptop, tablet, or phone. This can also help your business to function more smoothly because anyone who can connect to the internet and your cloud can work on documents, access software, and store data.

Imagine picking up your smartphone and downloading a .pdf document to review instead of having to stop by the office to print it or upload it to your laptop. This is the freedom that the cloud can provide for you or your organization.

Types of clouds

A home user or small business owner, you will most likely use public cloud services.

1. Public Cloud - A public cloud can be accessed by any subscriber with an internet connection and access to the cloud space.
2. Private Cloud - A private cloud is established for a specific group or organization and limits access to just that group.
3. Community Cloud - A community cloud is shared among two or more organizations that have similar cloud requirements.
4. Hybrid Cloud - A hybrid cloud is essentially a combination of at least two clouds, where the clouds included are a mixture of public, private, or community.

For more information please see The NIST Definition of Cloud Computing at:

http://csrc.nist.gov/publications/drafts/800-145/Draft-SP-800-145_cloud-definition.pdf

TAMPER RESISTANT RECEPTICALS

A customer has asked for a 200 ampere, 240V single-phase underground service using 3/0 copper phase conductors to be installed on an existing billboard sign for lighting. The existing rebar in the sign base is not accessible for connection as a grounding electrode without disturbing the concrete (250.50, Exception) and will not be used. No other grounding electrodes are present. 250.50 requires a grounding electrode, so the one selected for installation will be two, 3/4-in. x 10-ft long standard ground rods. The grounding electrode conductor (GEC) to the first ground rod is sized per T-250.66 as a 4 AWG copper conductor. The bonding jumper to the second ground rod is sized per 250.66(A) as a 6 AWG conductor being the sole connection to the second ground rod. Is this installation correct or can both the GEC and the bonding conductor be sized with 6 AWG per rules covered in 250.66(A)?

Answer:

According to 250.66(A) that portion of the grounding electrode conductor (bonding jumper in this case) that is the sole connection to a ground rod is not required to be larger than a 6 AWG copper wire. The grounding electrode conductor installed to the first ground rod should be a 4 AWG copper based on Table 250.66. The key to using Section 250.66(A) rather than the table is that the connection to the 2nd ground rod is a sole connection to that rod.



OSHA, EEI REACH SETTLEMENT ON DIGGER DERRICKS; What Happens Next?

The Occupational Safety and Health Administration (OSHA) has reached a settlement agreement with the Edison Electric Institute (EEI) to resolve EEI's challenge to OSHA's 1926 Subpart CC, Cranes & Derricks in Construction. [NECA supported EEI with a letter to OSHA](#) stating why the proposed digger derrick certification rules would adversely affect qualified electrical workers and contractors. In the final settlement, OSHA has agreed to:

- Not enforce the crane standard for digger derricks operations covered by Subpart V, Power Transmission and Distribution.
- Initiate rulemaking to modify the scope section of the crane standard so the standard does not apply to digger derrick operations covered by Subpart V.
- Issue a letter of interpretation to make it clear that utilities have two working days to provide voltage information under 1926.1407(e) and that the crane standard does not require utility companies to de-energize power lines.

However, there are portions of OSHA's rules for crane and derricks that are not included in the settlement:

- Crane operator certification and qualification by November 10, 2014.
- Inspections: the cranes and derricks standard made changes in the content, frequency, and documentation of per-shift, monthly, and annual inspections of mobile cranes, boom trucks, and wire ropes.
- Signal persons must complete training and pass written and practical tests.
- Transmission and distribution organizations need to respond to

requests from the public when their cranes are near power lines.

- Utilities may have controlling entity responsibilities related to ensuring adequate ground conditions for contractors.

Under the final settlement, all personnel involved in crane and derrick operations (competent person, crew member, maintenance person, rigger, and signal person) must be either "qualified" or trained to perform their tasks; and by Nov. 10, 2014, crane and derrick operators must be certified, qualified, or meet the criteria for operator-in-training before they are allowed to operate such equipment, the group notes. Employers are required to pay for operator certification and/or training.

"NECA is very pleased that this issue has been resolved in a way that reinforces our commitment to training and protecting our workforce," said Jerry Rivera, NECA Director, Safety. "While OSHA has not yet finalized the process they will use activate the new rule, we hope that some of the confusion and uncertainty on the state level will be addressed."

Upcoming Events

September 8, 2011
Apprentices' First Night of Class

September 16-23, 2011
IBEW Convention

September 24, 2011
Local #234 BBQ
Toro Regional Park

October 22-25
NECA Convention
San Diego, CA

December 2, 2011
Shadowbrook
Capitola, CA