

NEW JERSEY SKYLANDS CHAPTER

International Association of Electrical Inspectors

Hunterdon, Morris, Somerset, Sussex, and Warren Counties



12 January 2017

Officers:

President

Robert Rutan

1st V/President

Frank Baguiao

Secretary

Greg Chontow

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Treasurer

Donald Storms

Board of Directors:

James Alsop

Stan Fagerty

Chris Frankowski

Roy Konwiser

Thomas La Monaco

William O'Connor

Chris Walthour

Vice President Frank Baguiao opened the meeting at 6:05 pm with the flag salute and a moment of silence for Dave Menendez's son and for our men and women overseas. Vice President Baguiao then requested a report from Treasurer Don Storms. Don reported a comfortable amount in the bank account. Frank then asked Greg Chontow for the Secretary's report. Greg reminded the members that all the minutes are posted on the Chapter's website, and asked if there were any corrections to be made. As there were none, a motion was made and seconded to approve the minutes as posted. Greg continued the meeting with the availability of discounted Analysis of Changes to the 2017 NEC books. He pointed out that it is mandatory that every attendee to the required 10 hour code update bring either a 2017 NEC or a 2017 Analysis of Code Changes. Greg pointed out the benefits of membership. In addition to a wonderful magazine 6 times a year, every member, current for three or more years is eligible to receive a free code book. Additionally, discounts on classes that we hold. Frank then mentioned that since President Rutan was not here, he proposed to table the installation until March. As there were no objections, the installation was formally tabled. Frank then went on to questions from the floor. Secretary Chontow started with an issue he had with an oil filled transformer, pointing out that an additional benefit to IAEI membership is the ability to call the organization for code assistance. An outdoor oil filled transformer requires oil containment; however, it is vague on how it is accomplished. This is a design issue and not in the purview of the NEC. The EPA has guidance for this implementation, but this can not be sited as a code issue under the Electrical Subcode. Another member commented about the use of white plumbing PVC for the low voltage lighting in a gunnite pool, as pool contractors are using this material for their installations. Even though this is low voltage, it is still a violation of the electrical code. Another question was posed as to whether an enclosure is acceptable for a portable generator. Brian Baughman of Generac stated that the generator requires free air for cooling and any enclosure will restrict the air flow. Another member asked if romex in a PVC conduit could be run under a slab. It was pointed out that the conduit in the slab is considered outside the building. The interior of a conduit on the exterior of a building is considered a wet location. As romex is for dry locations only, this would be a violation. A follow up question, what if it was above the vapor barrier? An approval

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from the Electrical Subcode official should be sought. With no more questions from the floor, Vice President Baguiao introduced Brian Baughman of Generac. Brian started off the meeting with a slide showing the importance of proper sizing of a generator by using an example of an advertisement of a 11,000sf home with a recommended 16kw generator. With minimum load calculations, the load far exceeded the maximum of the generator. Brian stated that manufacturers specs will define the placement of the unit in respect to the structure, keeping an eye on the building openings and distance from combustibles. He also stated that you must meet the requirements of the NEC's working clearance rules. Brian pointed out that a new requirement in the IFGC states that the generator must meet the requirements of UL2200. He talked about the definition of a service and stated that by that definition, a generator is not a service, therefore, the conductors from the unit should be treated as feeder conductors. Brian talked about the control conductors and the use of TC cable. New in the 2017 NEC, TC-ER-JP cable can now be run as Joist Pull, like type NM cable. Greg Chontow pointed out that since New Jersey has not adopted the 2017 NEC yet, a request for Variation must be applied for by the municipality to approve the use of the Joist Pull cable. Brian concluded the presentation with a round of applause.

With no additional comments, the Vice President closed the meeting with 45 members present.

Respectfully Submitted
Greg Chontow, Secretary