

# NEW JERSEY SKYLANDS CHAPTER

## International Association of Electrical Inspectors

### Hunterdon, Morris, Somerset, Sussex, and Warren Counties



**10 May 2018**

**Officers:**

**President**

**Robert Rutan**

**1<sup>st</sup> V/President**

**Frank Baguiao**

**Secretary**

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President Robert Rutan opened the meeting at 6:10 pm with the flag salute and a moment of silence for our men and women overseas. The President requested a report from Treasurer Don Storms. Storms reported a comfortable balance. The motion was made and seconded to accept the Treasurer's report. Rutan stated that the instructors do not get paid for running the classes, and this allows the treasury to pay for the section meeting to be attended by the President and Secretary as required. Rutan then asked Greg Chontow for the Secretary's report. Chontow stated that the March minutes were posted on the Chapter's website. He asked if there were any necessary corrections. As there were none, he requested and received a motion to accept the minutes. After the Secretary's report, under old business, Rutan brought up the changes to the Uniform Construction Code, specifically the Ordinary Maintenance and Minor Work provisions. Rutan printed up copies of excerpts from the most recent Construction Code Communicator which contained guidance to the new language. Chontow stated that in the electrical section, Minor Work now included an unlimited number of snaked devices and inspections are required to be done in 3 business days. Chontow then went on to mention that there were two recalls of interest. The first was with Kidde smoke detectors whose sensors remained covered during the manufacturing process. The second was with Schneider Electric (Square D) 30 and 60 amp safety disconnect switches whose knife blades did not open properly. More information could be obtained from the Consumer Product Safety Commission website or from the manufacturers own site. Rutan then moved on to a request for approval to purchase a full page ad in the Eastern Section Journal as we did last year. A motion was made, and approved. Chontow then continued on to mention that registration for the Eastern Section Meeting to be held in September is now open. He discussed that the program included code discussion from the 7am Code Breakfast to Breakout meetings throughout the day. He stated that anyone who is into code would really enjoy the meeting. Rutan then opened up the meeting from questions from the floor. An inspector member mentioned that HVAC contractors are now licensed to do replacement of the electrical portion of equipment. However, they are not meeting the code, because they were not trained properly. He is constantly failing them for lack of grounding and strapping. Another member asked how many LED fixtures could be attached to a listed LED approved dimmer. The general

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consensus was to read the installation instructions, as every manufacturer is different in their requirements. Another inspector member mentioned that he has had a number of inspections of septic pumps that failed because they had open splices in an unlisted underground access box. A contractor mentioned that he has done hundreds of this type of installation and only failed from this one inspector. Chontow mentioned that he has done research into this issue and it is in fact true that these boxes are not approved for open splices, and simply a means to access the junction box underneath. The contractor mentioned that the wires are W rated conductors, however, Chontow pointed out that when the cable is stripped for splicing, the conductors lose their wet rating. Chontow then read a question from a member who was unable to attend. He wanted clarification as to whether a dental or chiropractic office was required to be wired as patient care. The general consensus from the attendees was yes. Chontow clarified that the language in the code was where patients receive treatments with electromechanical devices, wiring should meet the requirements of Article 517. As there was no more questions from the audience, President Rutan introduced the guest speaker for the evening, Jack Lyons, Eastern Field Representative of NEMA. Lyons mentioned that the New Jersey's Electrical Code Advisory Council is working diligently and will likely have the 2017 NEC adopted by late Summer or early Fall. Lyons started off his presentation by scrolling through the NEMA site, showing the different categories such as Lighting Systems and Building Systems and highlighting the useful tools that it contained, including white papers and engineering bulletins. He then demonstrated the phone app called EI which included the ElectroIndustry Magazine produced by NEMA. Moving on, Lyons started off in Article 300.22(C)(1). This section states that tie wraps used in plenums shall be listed for low smoke. He stated that a new standard for cable ties has been developed and now will list ties that are designed for support. Previously, they were only designed for positioning. The only way to identify these support ties is on the package. Article 310.15(B)(3)(a) requires spare conductors in a conduit that are not white or green to be counted as current carrying conductors and shall be used in derating conductor ampacities. Lyons showed how type AC cable can be used in Assembly Occupancies but in Theaters, it must contain an insulated grounding conductor. He also demonstrated how Type MC cable can have class 2 wiring within the outer sheathing, making it a perfect cable for use in LED dimming applications.

Lyons ended his presentation with a round of applause from the 37 members present.

Respectfully Submitted  
Greg Chontow, Secretary