

# NEW JERSEY SKYLANDS CHAPTER

## International Association of Electrical Inspectors

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



**14 July 2016**

**Officers:**

**President**

**Robert Rutan**

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

**Frank Baguiao**

**Secretary**

**Greg Chontow**

**29 Normandy Circle**

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**Treasurer**

**Donald Storms**

**Board of Directors:**

**James Alsop**

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President Bob Rutan opened the meeting at 6:12 pm with the flag salute and a moment of silence for our men and women overseas. President Rutan then requested a report from Secretary Greg Chontow in Treasurer Don Storms absence. Greg reported the account balance as provided by Don. Bob then asked Greg for the Secretary's report. Greg mentioned that the minutes of May were 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. Under old business, Bob reminded all in attendance that the section meeting was coming up and anyone interested must register soon. Under new business, Bob brought the news that there were electrical positions open in Hillsboro, Newark and Montclair State University. Bob then opened up the floor to questions. The first question was the difference between raintight EMT connectors and compression connectors and whether there was a difference. Jeff Simpson of UL answered that a connector must be listed for the application for it to be approved. Not all compression connectors are suitable for raintight applications. Another question was asked as to the procedure for a Knob and Tube removal inspection. It was brought up that there is no requirement in the Uniform Construction Code pertaining to the removal of Knob and Tube wiring, and it has only been a requirement of insurance companies and future home buyers after the home inspection process. Therefore, as electrical inspectors, we should only inspect the work that was performed. If Knob and Tube wiring is left in walls due to inaccessibility or any other reason, this should not be an issue to us.

President Rutan then introduced Jeff Simpson of UL to discuss some product listing updates. There had been a question made to Jeff at the last meeting as to whether Panelboard Retrofit Kits are or have to be listed. Jeff stated that the NEC does not specifically require these retrofit kits to be listed, however New Jersey's UCC does require all installed products to be listed. However these retrofit kits are listed under NEC requirements in NEC 312 and 408 as a panelboard not an enclosed panelboard as it does not come with an enclosure. And as it does not come with an enclosure, it does not take into consideration the wire bending space which must be calculated in the field using NEC Table 312.6(A) or (B). Additionally, as these kits come without an enclosure, it only has an AIC rating of 10,000 amps. He went on explaining via

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PowerPoint graphics, the use of the UL Product Spec Website, which replaced the UL White Book, showing in great detail how to locate the panelboard retrofit kit. Jeff then briefly mentioned the new cable certification of LP Cable (Limited Power) for use in POE (Power over Ethernet) applications. He pointed out that at this time, there is no requirement for a cable to be listed for that purpose. Be aware that this technology is rapidly changing and as its use becomes more popular, there will likely be more changes to the industry. He then touched on low voltage luminaires, pointing out that the NEC requires luminaires located less than 5 feet from the pool to comply with 680.23(A)(2) which states in part "Shall be listed for swimming pool and spa use". You only need to look for this or similar text and it will comply with all other requirements in the code. An additional topic Jeff covered this evening was the new requirement for Rapid Shutdown of roof mounted solar equipment, which is now required in the 2014 NEC under Article 690.12. He mentioned that there were a few companies that manufacture listed rapid shutdown equipment. Additionally, there are products on the market presently that had rapid shutdown feature inherent to its design such as Microinverters and DC/DC optimizers.

Jack Lyons of NEMA followed up with a brief discussion on the process of code changes and the NFPA Public Input for the 2017 NEC held in Las Vegas. Some of the key topics were no expansion on AFCI requirements, no change to require service disconnect outside, Type SE cable permitted in PVC underground for temporary installations (590), and an expansion and exceptions to the requirement of Tamper Resistant devices.

With a round of applause for both speakers at the end of the presentation, the President closed the meeting with 37 members present.

Respectfully Submitted

Greg Chontow, Secretary