

# NEW JERSEY SKYLANDS CHAPTER

## International Association of Electrical Inspectors

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



**9 November 2017**

**Officers:**

**President**

**Robert Rutan**

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

**Frank Baguiaio**

**Secretary**

**Greg Chontow**

**29 Normandy Circle**

**Hopatcong, NJ 07843**

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**Treasurer**

**Donald Storms**

**Board of Directors:**

**James Burke**

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**Chris Frankowski**

**Roy Konwiser**

**Greg Lwowski**

**Kevin O'Connor**

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**Larry Ott**

**Chris Walthour**

Vice President Frank Baguiaio opened the meeting at 6:07 pm with the flag salute and a moment of silence for our men and women overseas. The President then requested a report from Treasurer Don Storms. Don reported that the organization was in a good financial position. The president then asked Greg Chontow for the Secretary's report. Greg stated that both the last and July's meeting minutes were now 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, Frank stated that today's CEU would be free as a thank you to the membership. He also mentioned that the Chapter will be holding a 5 hour CEU class on 7 December, and a 10 hour CEU class in January. Frank then introduced a guest speaker from SCORE, Ken Narod. Ken stated that SCORE (Service Core of Retired Executives) was the volunteer arm of the Small Business Administration and has 15 Chapters in New Jersey. Ken stated that although his chapter does not cover this area, he takes a special interest in Electrical Contractors. Ken started out life as an apprentice electrician, later to obtain his electrical contracting license. He later went to work for Eaton / Cutler Hammer. Upon retirement with Eaton, he volunteered with SCORE. His organization is made up of retired lawyers, CPA and business executives, and provides legal assistance, mentoring and workshops for both Start-ups and those presently in business. Frank then asked if there were any questions from the membership. A question was asked as to what code would be used for a basement that was finished without a permit. There was a great deal of discussion on this topic from inspectors sitting different methods in different municipalities. Some stated that in their municipalities they would require the work to meet the code that is in affect on the date of application. Others require the installation to only meet the code that was in affect at the time of installation. Bottom line, a contractor should contact the construction official for clarification. Frank then reintroduced Greg for the evenings presentation. Greg started out with one item he wanted to discuss under new business. He stated that there was a significant amount of confusion on the installation of transfer switches. He stated that if a service switch was to be installed between the meter and the panel, it is required to be service rated. Service rated transfer switches are listed with overcurrent protection, therefore, this being the first overcurrent protective device. Per 250.24(A)(5), The

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grounding conductor shall not be connected to load side of the service disconnecting means. Additionally, it is often sited that 230.82(5) allows connections ahead of the main for standby power systems. Greg pointed out that this code allows for taps ahead of the main. The typical installation is not a tap and therefore could not be used for this type of installation. Greg then continued with the evenings presentation, Analysis of Changes to the 2017 NEC Chapter 3. Greg started off with the Table in 300.5, pointing out the addition of footnotes a. and b. to the table referring to listed low voltage lighting systems and the requirement of 6" burial depth unless manufacturer's instructions differ. EMT was added to the list of conduits allowed for protection from physical damage in 300.5(D)(4). The temperature adder for conduits on rooftops was deleted and a 7/8" requirement was added for no temperature modification. 312.5(C) states that a conduit sleeve of 18" to 10' does not have to utilize the derating of conductors listed in note 2 of Chapter 9. Table 312.6(A) now has a column for wire bending space for compact aluminum. 314.16 requires the derating of the space of a box barrier, ½ Cubic inches for metal, and 1cubic inches for plastic. 336.10 now allows the use of type TC Cable to be installed in the same manner as romex or UF provided it has a -JP designation. 358.10 now includes the use of EMT underground provided it has supplementary corrosion protection. 366.20 requires each group of parallel conductors to be grouped (bundled) together. Greg ended his presentation with a round of applause from the 35 members present.

Respectfully Submitted  
Greg Chontow, Secretary