

NEW JERSEY--SKYLAND DIVISION 1-40-1
Hunterdon, Morris, Somerset, Sussex, and Warren Counties
International Association of Electrical Inspectors



12 May 2011

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Robert Moentenich

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The Officers:
James Alsop
Pete Buchanan
Jeff Hockenbury
Casey Hoff
David Menendez
Joseph Rossi
Donald Storms
Michael Wright

The meeting opened at 6:15pm with the flag salute and a moment of silence for our men and women over seas. There was a request to accept the minutes of March which was seconded and accepted. In our Treasurers absence, the President read the account balance. Our first order of business was the two e-votes that were sent out to all members. The first was a request to spend up to \$100 to get our web site online. The second was to spend up to \$100 to apply for sponsorship with the Board of Electrical Contractors for continuing education courses. With 77 members in the division, we had 28 respondents, and all voted yes on both counts. Bob Moentenich then mentioned that the Toys-R-Us facility in Mount Olive is building the largest roof mounted grid tied solar installation in the country with 5.3 megawatts. He has arranged for small tours for anyone interested during the construction process. He then went on to mention about the Consumer Fraud Act which has very clear guidelines as to what a contractor shall put on a contract. Failure to do so can be very costly in a law suit. Suzanne Borek-Childers, of DCA's Code Assistance Unit then spoke about large scale solar or wind farms that a municipality may see. If there is no net metering, i.e. utility owned, the plans shall be reviewed by the DCA and the inspection may be performed by the state or local municipality. The UL Electrical Advisory Council is preparing to release standards on building integrated solar and small and large wind turbine standards will be released in August. Some cellular companies are installing fuel cells for back up power at a cell tower. Keep in mind that they have to be listed as an assembly and not just its individual components. The Board of Public Utilities and the State of New Jersey is performing energy audits throughout the state. Their energy bulletin needs to be revised as it needs to address the insulation around recessed fixtures and covering of junction boxes in attic spaces. In addition the lighting retrofits that are being installed are required to have permits as this is not considered an ordinary maintenance and the retrofit kit, not just the components, shall be listed. The utility companies are adding load management devices as seen in pictures distributed. Be aware that a licensed electrical contractor is required, and a permit must be obtained. The permit can be applied for under 5:23-2.18A, Load Management Devices, and a minimum of 20% of devices shall be inspected.

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The NFPA has released a Tentative Interim Amendment to the 2011 NEC, TIA 11-1, which gives an exception to the equipotential bonding requirement for hot tubs. Many installers are using that exception to install hot tubs right now. Keep in mind that the 2011 NEC has not been adopted and this TIA shall not be used until that time, it must meet the requirement of the code in affect at the time of installation. Likewise, the NEC TIA 05-02, allowing the masonry wire mesh to be used as a bond grid is no longer acceptable unless the installation falls under the rehab code. Remember that if any pool that is required to have an annual inspection (all pools other then at a 1 and 2 family dwelling) has any work performed on it, it is required to have a new 5 year certificate. With the push for electric vehicles, there are now issues with the charging stations that we need to be aware of. Level 1 charging stations are vehicle mounted so no inspection of the charger is required but it draws 16 amps, and a direct circuit is required. Level 2 chargers are mounted outside the vehicle and its standard will be released in June. There is no standard for level 3 charging at this time. With the adoption of the 2009 I-Codes, the 2009 IECC is in effect. One of the requirements that we need to be aware of is that 50% of all bulbs installed shall be of the energy efficient type, i.e. CFL, T5 and T8, and LED. Corrugated Stainless Steel Tubing (CSST) installed in new buildings after 7 March 2011 shall be bonded. There is a permit required and it shall be inspected by the Electrical Inspector. The bonding shall go to the ground rod or the concrete encased electrode, not the electrical panel. Well pump installers are permitted to install an approved wiring method from the well to a maximum of 10 feet inside of the building to the first switch only. From that point, it shall be installed by a licensed electrical contractor. With that Suzanne concluded her presentation with applause. Then Patrick Ryan from DCA's Licensing and Education Unit came up to touch on continuing education for both inspectors and contractors. Most electrical courses that the DCA puts out are approved by the Board of Electrical Contractors and contractors may take these courses too. If anyone has any suggestions for topics or feel they are qualified to teach a specific topic, they should contact the DCA as they are always looking for instructors and courses. The DCA is experimenting with real time interactive online courses and those interested should contact the DCA. Finally there will be a Train the Trainer course somewhere in NJ. Those interested should contact the DCA to add their name to the list so they could get an idea as to a central location to hold the course. Thanks and applause was given to Pat.

The meeting was concluded at 8:41pm
Respectfully submitted, Greg Chontow