

<b>9:00 am</b>	<p><b>Membership Introductions &amp; Housekeeping Items</b></p> <p><b>Attendees:</b> Ted Olechna, Barry Buchanan, Vladimir Gagachev, Dave Sinclair, Pete Olders, Mel Fruitman, Rob Smith, Eerik Randsalu <b>Guest Speaker:</b> Ray Yousef</p>
<b>9:10 am</b>	<p><b>Last Minute Items</b></p> <p>Whole house AFCI?</p> <ul style="list-style-type: none"> <li>• Should Ontario push to follow the NEC and adopt AFCI for the Entire residence?</li> </ul> <p>PV Systems and Rodent protection</p> <ul style="list-style-type: none"> <li>• This does not include ground mount, only PV systems installed on buildings</li> <li>• Mechanical protection for cabling</li> <li>• Allowable exemptions?</li> <li>• Based on height? Approx 15 m, you will not need to follow the requirements for rodent protection</li> <li>• Working with CanSIA to determine optimal requirements for exemptions.</li> <li>• Specialized equipment is not required. Rule does not dictate method of protection, only that protection of cabling is required.</li> </ul> <p>Tie wraps</p> <ul style="list-style-type: none"> <li>• Availability is limited to nonexistent.</li> <li>• Until supply is made available, this Rule will not be enforced.</li> </ul> <p><b>2015 Ontario Electrical Safety Code - Implementation</b></p> <p>Peter Olders- IEBW – No Impact yet</p> <p>Vladimir Gagachev – AFCI</p> <ul style="list-style-type: none"> <li>• In the US, AFCI/ GFI breaker?             <ul style="list-style-type: none"> <li>○ Called Dual function; is available in Canada now.</li> <li>○ Schneider was the initial release in Canada</li> <li>○ How do you know if it is an AF or GF? Diagnostics (indicator) varies by manufacturer; some also identify series or parallel fault.</li> </ul> </li> </ul> <p>Eerik Randsalu – FMO – Have not seen any direct effects of new code yet</p> <p>Barry Buchanan – OEL - Only Complaint was that you have to take 2 courses to get all the training.</p> <ul style="list-style-type: none"> <li>• Code training was very well done.</li> <li>• Has not heard any complaint or concerns about AFCI</li> </ul> <p>Mel Fruitman – CAC – Consumers are mainly unaware of the OESC</p> <ul style="list-style-type: none"> <li>• People are more aware of the Electricity market, but not electrical safety</li> <li>• Best way to get consumer awareness is to continue PSA's and public education campaigns</li> <li>• People need to be aware that Home Inspection does not include Electrical</li> </ul>

	<p>Rob Smith – ECAO – Current Guild permits are pre May 5<sup>th</sup>.</p> <ul style="list-style-type: none"> <li>• Have been teaching the 2015 OESC for a year at college.</li> <li>• Conduit sizing and Temperature limitations have come up in terms of impact</li> <li>• Termination temperature rating for Equipment is optional and decided on by each technical subcommittee</li> <li>• See Bulletin 4-12-2</li> <li>• Splitters do have to be marked, but is not published</li> </ul> <p>Dave Sinclair – IAEI</p> <ul style="list-style-type: none"> <li>• Biggest impact is apprehension with false tripping for AFCI's</li> <li>• Newer technology does not have the nuisance tripping issue. Was an issue with 1<sup>st</sup> generation AFCI's</li> </ul> <p>537k Conviction <b>Action:</b> <i>Press release to be sent with minutes</i></p>
<p><b>10:15 am</b></p>	<p><b>OPCC Brainstorming Session</b> Presented by Ted Olechna See Attached Document: 2018 Brainstorming – Proposal for OESC 2018 and Future Editions</p> <ul style="list-style-type: none"> <li>• Review of December 2015 Brainstorming Session</li> </ul> <p>Highlighted items – 2018 Focus: Align CEC with NEC regarding AFCI's</p> <ul style="list-style-type: none"> <li>• Should all residential receptacles be required to be AFCI protected?</li> </ul> <p>Ceiling outlets (Bedroom and/ or dining room) should support the weight of a ceiling fan or chandelier.</p> <p>Voltage drop rules should be eliminated</p> <ul style="list-style-type: none"> <li>• Performance issue, not safety.</li> <li>• This needs to be measured before deleted to ensure distances are not an issue</li> </ul> <p>Change ESA definition of retroactivity</p> <ul style="list-style-type: none"> <li>• Currently in process</li> </ul> <p>Educational credits as part of license renewal requirements</p> <ul style="list-style-type: none"> <li>• Not a Regulatory Agenda, but will be worked on in other ESA departments</li> </ul> <p>POE - New Code rules required</p> <ul style="list-style-type: none"> <li>• Ethernet cable for power (not for communication purposes)</li> <li>• Lighting is not Ethernet, but being supplied by ethernet cable, need to clarify rules for this</li> <li>• CSA working group to establish rules for POE lighting – Ted on the working group</li> <li>• Considering an Ontario Amendment prior to the CEC code adopting rules.</li> <li>• Does this fit in Section 16 or Section 60?</li> <li>• Amount of POE equipment being installed is getting exponentially larger</li> </ul>

<b>11:00 am</b>	<b>Replacement &amp;/ or Alterations</b> Presented by Ray Yousef, Code Engineer - ESA
	<ul style="list-style-type: none"> <li>• Discussion on requirements for Replacement &amp;/ or Alterations of existing electrical installations in dwelling units</li> <li>• Recommended changes:             <ul style="list-style-type: none"> <li>○ Expand on meaning of dwelling units.                 <ul style="list-style-type: none"> <li>◆ This is a defined term in the OESC</li> </ul> </li> <li>○ Add verbiage to indicate that “All sections may apply in Introduction”</li> </ul> </li> </ul> <p>Date for enforcement of these rules?</p> <ul style="list-style-type: none"> <li>• From the time the Bulletin is published; 6 months?</li> <li>• 3 months is adequate</li> <li>• Publish in Summer; start date of January 2, 2017.</li> </ul> <p>All agreed.</p> <p>Clarify if there is only one split receptacle in a kitchen, what can be used; best solution if possible to change to a GFCI breaker.</p> <ul style="list-style-type: none"> <li>• Requires 2 separate questions</li> </ul>
<b>11:45 am</b>	<b>2015 Safety Data</b>
	<ul style="list-style-type: none"> <li>• Report on 1000W metal halide lamp; was it just a lamp change</li> <li>• Report was reviewed by Ted during the meetings and general findings discussed</li> </ul>
<b>12:00 pm</b>	<b>Reuse of Circuit breakers</b> Last Minute - Vladimir Gagachev
	<ul style="list-style-type: none"> <li>• If there has been no issue with the breaker, can it still be used by the original owner?</li> <li>• Regulation to be passed in Quebec to not permit used breakers</li> <li>• 2-106 discussed rebuilt equipment including rebuilt or refurbished molded case circuit breakers</li> <li>• Issue is when an old piece of equipment requires a new circuit breaker, but the product no longer exists</li> <li>• Cost becomes prohibitive for older panelboards where only used breakers are available and replacing equipment.</li> <li>• If/ when <b>Quebec issues the regulation, it will be shared with the OPCC members</b></li> </ul>
	<b>Next meeting: September 14, 2016 – Boardroom</b> <b>Electrical Safety Authority 155A Matheson Blvd W, Mississauga, ON L0N 1N0</b>