



Centre for Health and Safety Innovation - 5110 Creekbank Road, Mississauga

Utility Advisory Council Members

Utility	
Burlington Hydro	
Enersource Hydro	Paul Kuner
Festival Hydro	Jeff Graham
Guelph Hydro	Michael Wittemund
Hydro One	Darren Desrosiers
Hydro One - Transmission	
Hydro Ottawa	Edward Donkersteeg
Kitchener-Wilmot Hydro	Greig Cameron
London Hydro	Greg Sheil
Newmarket-Tay Hydro	Gaye-Donna Young
Orillia Power	
PowerStream	
Toronto Hydro	Hani Taki
Veridian	Peter Petriw
Government/Regulatory	
Ministry of Energy	Vacant
Ministry of Labour	Vacant
Ontario Energy Board	Stephen Cain
Safety Organizations	
IHSA	Dean Dunn
System Infrastructure	
Bell Canada/Telecom Industry	Tony Pereira
CSA Group	John O'Neil
ORCGA/Excavating Industry	Ian Munro
OSWCA	
Trades & Professions	
OACETT	
Ontario Electrical League	
Power Workers Union	Serge Laflamme
Consumers/Councils	
Consumer Advisory Council	Joan Pajunen
Industry Advisory Council	Vacant

Other Attendees

Ben Hazlett (Hydro Ottawa Limited), Jim Gillis (Cogeco Connexion), Lydia Ma (MGCS), Murad Hussain (Bell Canada), Raymond Micallef (Hydro One Networks Incorporated), Rob Kamranpoor (Hydro One Networks Incorporated)

ESA Attendees

Normand Breton, Martin Post, Jason Hrycshyn, Farrah Bourre, Patrick Falzon, Joel Moody, Steve Smith, Ted Olechna



1 Notice & Quorum

- The meeting had quorum

2 Minutes of UAC Meeting

The following motion was carried:

Motion: To accept the minutes of the last meeting as read

Motioned by: Joan Pajunen

Second: Gaye-Donna Young

Motion carried.

3 Updates to the Agenda

- Normand Breton to talk about the recent conviction of a Licensed Electrical Contractor
- Steve Smith, ESA General Manager of Central Region, to talk about the Crisis Management Team and connection authorizations under emergency situations

The following motion was carried:

Motion: To accept the Agenda with the above additions

Motioned by: Joan Pajunen

Second: Greig Cameron

Motion carried.

4 Adjusting Reporting Requirements Under O. Reg 22/04 – Joel Moody (presentation)

- A brief overview of the Meter Safety Due Diligence Review and steps that led to Voluntary Reporting were reviewed
- ESA held an LDC workshop to solicit feedback from the industry and regulated community in March 2016
- The next step in Phase 2 is to invite all stakeholders to provide feedback

5 Contractor Licensing and Working on Customer Owned Equipment – Normand Breton (presentation)

- With the passing of Bill 112, Strengthening Consumer Protection and Electricity System Oversight Act, 2015 (Section 71) a review of the requirements of the Ontario Electrical Safety Code and Regulation 570/05 was provided to the Council



6 ESA Public Accountability Survey: Findings – Farrah Bourre (presentation)

- Findings from the Public Accountability Survey were shared highlighting LDC specific results
- The benchmark for the Mean Accountability Index Score has been set with the first set of results, and a few years of data will be necessary to determine what trends exist
- ESA was asked if they followed up with the unfavourable responses: ESA did not follow up as the survey is completed by a third party and ESA is not provided any respondent information
- ESA was asked if they have a plan for innovation: ESA looks at ways to innovate as part of the Annual Business Plan. ESA has a challenge coming up that will involve University students designing innovative ideas to help prevent dump truck contacts with powerlines
- ESA asked the council what innovation means to them
 - o Finding new ways of communicating regulating or engaging stakeholders
 - o Learning to communicate quicker, faster and more accurately

7 Delta to Wye Conversions – Jason Hrycyshyn (presentation)

- ESA has work with several Utilities in the last couple of years to resolve Delta to Wye conversion issues where a 4th wire has not been connected to the customer owned equipment
- The Ontario Electrical Safety Code has published a [bulletin](#) about Delta to Wye conversions
- ESA was asked to describe their concerns when a service is changed from a Delta to Wye and the neutral is not connected to the customer equipment: The concern with this situation is under a fault condition, if one of the hot legs goes to ground, its path back to the source is only through the ground. If the fault current is too low no current protection operates and it may be high enough that there is a potential of a fire starting
- ESA is unsure if the knowledge about the potential risks associated with this type of installation are understood in the Utility community
- Hydro One has a bulletin from 1982 on how to remedy this type of installation
- Enwin Utilities completed a program recently where they hired a contractor to install the 4th wire to all customers fed from a Wye grounded transformer
- ESA proposed a working group to review how Utilities have handled this type of installation and to set the proper direction with respect to compliance with O. Reg. 22/04
- ESA was asked if Bulletin [DSB-04/11 R3](#) would be updated as part of this working group and include a recommended solution. ESA will review the bulletin and update as necessary
- ESA was asked if we know how many installations like this exist: ESA does not know how many of these types of installations exist. ESA's impression is that there are a significant number of these types of installations

ACTION: Jason Hrycyshyn to gather information on past incidents that have occurred as a result of delta to wye conversions when the 4th wire was not connected to the customer and have available for the working group. (2016-03)



8 Safe Limits of Approach – Hani Taki (Toronto Hydro)

- Toronto Hydro would like to see an industry standard for limits of approach for <750V for public and workers
- IHSA has indicated that both section 21 committees are meeting to discuss limits of approach to <750V
- Hani will be the UAC representative on the IHSA working group and report back to the UAC

9 Faulty Electrical Work that Left One Man Dead Results in Fine for Contractor – Normand Breton

- ESA's [media release](#)

10 Municipal Outreach – Powerline Safety – Patrick Falzon (presentation)

- ESA outlined its initiative on engaging Municipalities to incorporate powerline safety into their pre-qualification documents
- The document for Municipalities to incorporate is currently being reviewed

11 Best Practices for Dump Trucks – Powerline Safety – Patrick Falzon (presentation)

- The seed document created by the working group has been completed
- Next steps were discussed

12 Crisis Management Team – Steve Smith

- Steve outlined the function of ESA's Crisis Management Team, how it has been utilized and how the inspection workforce has been mobilized in different emergency situations
- If customer owned service equipment is damaged the repair work must be completed by a Licensed Electrical Contractor (LEC) and a connection authorization is required
- ESA has in the past issued bulk connection authorizations after doing its due diligence and following the processes in place to ensure they are comfortable with issuing a bulk connection authorization (a bulk connection authorization contains a list of all addresses to be reconnected)
- Some Utilities have been reluctant to accept a bulk connection authorization from ESA and have instead insisted on individual connection authorizations for each address
- ESA asked the UAC for feedback on the issuance of bulk connection authorizations being issued. Both the Utility and ESA know the specific scope of what is being reconnected and if the Utility has any concerns over specific areas or addresses they would bring these to the attention of ESA before reconnecting
- Some Utilities are ok with the process of bulk connection authorizations being issued and other Utilities suggested that their Utility emergency management people would want to review this proposal



13 Connection Authorization Requirements for Non-Electrical Work – Patrick Falzon (presentation)

- Direction was given with respect to when a Utility can reconnect power to a customer without having a connection authorization issued by the ESA
- Bulletin DIB-04/12 will be updated to reflect this direction
- ESA was asked to include examples in the updated bulletin

14 Gas Clearance to Source of Ignition – Ted Olechna (presentation)

- Current TSSA regulations require a clearance of 1m between natural gas regulator vent opening (discharge) and a source of ignition
- Examples of arc-producing equipment (source of ignition) were provided
- The use of Overpressure Cut-Off devices was discussed
- When the gas equipment doesn't have the ability to vent, the clearance is not applicable. However, the service regulators (those owned and installed by the gas utilities) are either OPCO or full release vented regulators.

15 New Business

- Reporting of Serious Electrical Incidents Working Group
 - o ESA was asked for the status of this item: ESA is still working internally on the guideline. The working group will meet again once ESA's internal work is completed

19 Next Meeting

The next meeting will be held **Thursday October 6, 2016**

The location of the next meeting will be:

The Centre for Health & Safety Innovation at 5110 Creebank Road, Mississauga.

Meeting Adjourned

Motion: Motion to Adjourn the Meeting

Motioned by: Peter Petriw

Second: Darren Desrosiers

Motion carried.