

Utility Advisory Council Members

LDC/Owner-Operator

Alectra Utilities	Vicky Khamar/John Barratt
Burlington Hydro	
Elexicon Energy Incorporated	Faisal Habibullah
Festival Hydro	
Hydro One	Darren Desrosiers
Hydro One - Transmission	Ajay Garg
Hydro Ottawa	Edward Donkersteeg
Kitchener-Wilmot Hydro	
London Hydro	Greg Sheil
Newmarket-Tay Power Distribution Ltd.	Alex Braletic
Toronto Hydro	Hani Taki

General Interest

Bell Canada/Telecom Industry	Tony Pereira
Consumer Advisory Council	
CSA Group	
IHSA	Al Leger
Power Workers Union	Patrick Fee

Other Attendees

Lori Gallagher (Utilities Standards Forum), Chris Kleberg (Hydro One Networks Incorporated), Glenn Sturdy (Sturdy Powerlines Ltd), Alexander Janack (Ministry of Government and Consumer Services), Stephen Cain (Ontario Energy Board), Rob Koekkoek (Orangeville Hydro Limited), Fred Kouhdani (Hydro One Networks Inc – Transmission), Arthur Berdichevsky (InnPower Corporation)

ESA Attendees

Nansy Hanna, Jason Hrycyshyn, Patrick Falzon, Sean Burger, Ray Yousef, Claire Loucks, Esau Habibulla, Freda Lam



1 Notice & Quorum

- The meeting had quorum

2 Minutes of UAC Meeting

The following motion was carried:

Motion: To accept the minutes of the June 10, 2021 meeting

Motioned by: Ajay Garg

Second: Darren D

Motion carried.

3 Review of Open Action Items

- 2019-02-04: Measurements Canada Meter Drawing Signed by a Professional Engineer
 - o Deferred
- 2019-03-01: ESA to develop a process for facilitating resolution of conflict between LDCs and a Third Party equipment owner
 - o Deferred
- 2021-02-01: Excavation in the Proximity of Underground Distribution Lines Update
 - o Deferred

4 Public Electrical Safety Awards - Claire Loucks

- 2021 Safety Award Recipients and details of their accomplishments can be found on the ESA website <https://esasafe.com/newsroom-2021/esa-celebrates-safety-leaders-at-2021-ontario-electrical-safety-awards/>

5 HV Sub transmission to distribution Conversion - Patrick Falzon

- ESA asked the LDC members present if they were reporting high voltage installations where customer owned substations were supplied by and ungrounded primary
 - o Some of the LDCs present indicated they were only reporting low voltage installations under the flash notice DFN-03-19-v1: 3-Phase, 3-Wire, Solidly-Grounded Wye Customer Services
- The Utilities Standards Forum will take this to their next USF meeting to get feedback from its members
- A flash notice will be sent out to LDCs requesting information on high voltage installations where customer owned substations were supplied by and ungrounded primary



6 Financial Update - Esau Habibulla

- The formula used to calculate Regulation 22/04 oversight costs will remain unchanged for 2022
- Any changes in the invoice amount would happen as a result of changes in the number of customers or distribution revenue reported to the OEB for the 2020 Yearbook of Electricity Distributors
- ESA was asked how this fee formula was developed
- There was a lot of consultation that was done back in 2004-2005 with the UAC and industry in development of the fee formula

7 Update on the 3-Phase 3-Wire Solidly-Grounded Wye Installations - Jason Hrycyshyn

- About 5836 potential sites that need review or work to be done
- LDCs are following their action plans and timelines to address this issue
- ESA has asked LDCs to provide quarterly updates on their progress

8 Ontario Electrical Safety Report (OESR) - Freda Lam

- The OESR can be found on the ESA website at <https://esasafe.com/2020oesr/>
- Highlights of the OESR were provided to the Council
- Has ESA overlaid their safety campaigns with types of incidents to see if there is any correlation with drops in incidents
- ESA has engaged several industries that account for the greatest number of powerline contacts
 - o Haulage industry
 - o Arbourists
 - o Contractor safety days with a number of larger construction companies
 - o Schools that teach heavy equipment operators

9 AG #10 - Compliance Enforcement - Revised Documentation - Jason Hrycyshyn

- The internal documentation ESA had was pretty high level
- This is an internal policy/procedure and will have no impact to stakeholders
- LDCs want to know when and how they are able to leverage ESA when dealing with a customer. LDCs would like more clarity around when ESA can be approached for assistance and what a LDC would need to have done before coming to ESA.



- Action item 2019-03-01 is for an external facing document that address this request

10 AG #10 - DDI Process Review and new bulletin - Sean Burger

- ESA will be requiring LDCs to submit evidence that key due diligence findings were resolved
- What evidence would be required will be dictated by the situation. Some ways that this evidence can be provided are:
 - Pictures
 - Changes to processes/standards
 - Training to ensure a particular finding would not happen in the future
- ESA was made aware that responding within 10 days to a draft report is sometimes a challenge
 - ESA can grant an extension to provide a response when requested by the LDC

11 AG #10 - Online Serious Electrical Incident Reporting Form - Sean Burger

- ESA is developing an online form for reporting of serious utility incidents
- The online form will ask for the same information as the form provided in the Guideline
- In an attempt to obtain pertinent information about an incident the online form will have required information in order to submit the incident to ESA
- Depending on the nature of the incident there are a number of legal implications that need to be considered so some LDCs submit a preliminary report within the 48 hour window and follow-up with additional information once it is available
- The timing of an incident can also cause delays in reporting full details so a preliminary report is made within the 48 hour window and a follow-up report is made once the necessary people within the LDC have reviewed the incident
- The LDC members asked if they could get a copy of the mandatory fields ahead of time
- The purpose of the online report is to make incidents easier for LDCs to report and for ESA to get complete information
- If incomplete information is received by one of the ESA on call inspectors they would need to make calls and dig into the nature of the incident to determine if a visit would be necessary
- It was suggested that placeholders could be used for mandatory fields if the information is not currently available



- ESA asked if there are any LDC council members that would be willing to be a sounding board during the development of the online form. Members interested in participating:

- o Alectra
- o Hydro One
- o London
- o Hydro Ottawa

12 Flash Notice 21-39-FL - Hazards associated with raising of buildings - Patrick Falzon

- Flash Notice 21-39-FL - Hazards associated with raising of buildings was reviewed (https://esasafe.com/assets/files/esasafe/pdf/Electrical_Safety_Products/Flash_Notices/21-39-FL.pdf)
- A Distributor Bulletin will be sent to LDCs to advise of this flash notice

13 DB-XX-YY - Concrete Pole Grounding - Sean Burger

- ESA has been informed that the reinforcing metal in concrete poles has not been effectively grounded by some Electrical Distributors
- The number of LDCs that use concrete poles seems to be relatively small
- Where LDCs do use concrete poles some LDCs have indicated that the City run the wires for street lighting

14 CVP Refresher Training - Time Period Discussion - Jason Hrycyshyn

- ESA is looking to set the maximum time interval for CVP refresher training
- Annual CVP refresher training benefits
 - o Lines up with the audit
 - o Always unique situations that can be reviewed
 - o Review findings from the DDIs, Audits and other items as well
- 2 Year interval CVP refresher training benefits
 - o For larger LDCs there is a big cost and time savings to having refresher training every 2 years
 - o Allows for enough time to properly update the training materials
- Other items to consider
 - o Smaller LDCs the training only takes about ½ day so annually works well
 - o Some LDCs have the refresher training during safety meetings



- Some LDCs provide ongoing communication throughout the year for their refresher training
- If ESA indicates a 3 year interval is ok some LDCs may receive pressure from HR or finance to cut costs but meeting the minimum requirement
- Most council members were wary of pushing CVP refresher training to 3 year intervals
- ESA was asked what issue was going to be resolved by this discussion
 - ESA wants to be more transparent in what will be approved when a CVP is submitted
- Some LDCs would like to check to see what intervals are in their CVP
 - Bring this discussion back to the February meeting
- ESA won't approve 3 years as a temporary measure, but won't ask the LDC with 3 years to resubmit their CVP until the council has discussed the issue further

15 Itron Meter Survey - Nansy Hanna

- Itron has upgraded the meter by introducing an enhanced power supply option in 2016
- ESA is advising the LDCs to check their meters to see if they are the updated version.
- Based on the reports ESA has there have been no failures with the upgraded meters.
- ESA sent this message to LDCs last week and is closing its review on this issue
- ESA asked if this is considered an approval from ESA
- ESA does not approve products and the LDCs would have to follow their processes

16 Scorecard - Component C - Jason Hrycyshyn

- ESA was asked by a member of the council to revive the working group and open the discussion on the Component C metric
- ESA will reconvene the working group and have meetings in Q1 and Q2 of 2022
- The Council is in support of this plan

17 Roadway Lighting Systems on Distribution Poles - Patrick Falzon

- Questions have been asked about who is permitted to transfer the roadway lighting assets when installed on LDC's poles.
- Since roadway lighting equipment falls under the requirements of the OESC and is beyond the ownership demarcation point, LDC's are not permitted to transfer the equipment unless they meet the Licensing requirements of Regulation 570/05.



- Notification of work is required or may be covered under the Continuous Safety Services program
- ESA will publish a bulletin for LDCs on this direction
- ESA will follow-up with CSS to determine what work may potentially fall under a CSS contract and what work would not
- ESA was asked if there could be an exemption for a connection authorization when the street lights are being moved like for like

Action Item 2021-03-01: ESA will follow-up with the Continuous Safety Services (CSS) department to determine what street lighting work would fall under a CSS contract and what work would not. – Patrick Falzon

18 Up to Speed: Ontario's Broadband and Cellular Action Plan - Jason Hrycyshyn

- References were made to some ESA bulletins and these bulletins were updated to provide as much information as possible.
- The Act was published but it is very high level
- The guide will be the how to and what to and is in final review

19 Ground Current - Private Members' Notice - Jason Hrycyshyn

- The Ministry of Energy has put together a stray voltage working group.
- ESA was invited and will be a part of this group
- LDCs may want to become involved or follow this working group to understand the implications to the industry

20 Serious Electrical Incidents - Patrick Falzon

- High level details of a few incidents were discussed

21 2022 UAC Meeting Dates

- Tuesday February 15, 2022
- Thursday June 9, 2022
- Thursday October 6, 2022

Motion: To adjourn the meeting

Motioned by: Ed Donkersteeg

Second: Alex Braletic

Utility Advisory Council October 7, 2021

Feedback

High voltage conversion- 3 wire ungrounded distribution to 4 wire grounded distribution

Patrick Falzon, C. Tech
Powerline Safety/Code Specialist
Powerline Safety Group
Electrical Safety Authority



High voltage conversions

Background

- Large consumers with customer owned substations supplied by ungrounded primary.
 - such as 27.6kV.
- LDC converts their 3 wire ungrounded distribution system and distributes a grounded neutral throughout.
 - Their customers are not informed.



High voltage conversions

- OESC Rule 36-308 Connections to the station ground electrode
5) A line neutral conductor on grounded neutral systems shall be connected to the station ground electrode by a grounding conductor having an ampacity not less than the neutral conductor.
- Utilities have a responsibility to work with their customer and mutually agree on a plan to extend the neutral.
- ESA will be requesting LDC's disclose number of customers affected by the conversion and provide a plan to resolve the hazard.

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October 7, 2021

3-Phase 3-Wire Solidly-Grounded Wye Customer Services

Update

Utility Advisory Council
Jason Hrycyshyn



3-Phase 3-Wire Solidly-Grounded Wye Customer Services

FLASH NOTICE #1	September 2020	May 2021	September 2021
Number of Possible Configuration of Concerns	Number of Possible Configuration of Concerns	Number of Possible Configuration of Concerns	Number of Possible Configuration of Concerns
~15,000	~8,500	~7,038	~5,836
Number of LDCs without a Possible Configuration of Concern	Number of LDCs without a Possible Configuration of Concern	Number of LDCs without a Possible Configuration of Concern	Number of LDCs without a Possible Configuration of Concern
12	31	32	35



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AG#10 – Compliance Enforcement Revised Documentation

Information

Utility Advisory Council
Jason Hrycshyn



AG#10 – Compliance Enforcement Revised Documentation

To address an Auditor General (AG) finding, ESA has revised its “Compliance Enforcement” documentation.

The withdrawn (or soon to be withdrawn) documentation was very high level and didn’t provide enough detail to ensure consistency of application.

The revised documentation contains

1. Internal (ESA) Procedural Documentation for Staff to follow; and
2. Templates of the “Orders to Comply” and “Warning Letter”

AG#10 – Compliance Enforcement Revised Documentation

ESA perceives there to be no impact to Stakeholders. The current policies, processes, procedures and work instructions remain the same.

The change is that the procedure has enhanced documentation.

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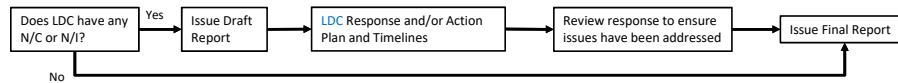
Due Diligence Inspections Auditor General Finding

- **External Auditor recommendation to ESA**
 - *Require distributors to submit evidence that the Key Due Diligence Findings were resolved*
- **Reviewed proposed DDI process revision with UAC on June 10, 2021**
 - *Evidence of completing action plan for only NC findings*
 - *If evidence not provided to ESA, Compliance Review to follow-up*
- **Revised process to be implemented for next DDI period (April of 2022)**

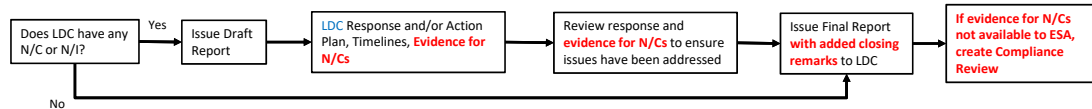
Due Diligence Inspections ESA Proposed Option to Address Audit Finding

1. Increase requirement for evidence of completing Action Plan for N/C findings.
2. Add closing remarks in Final Report, accepting the action plan and evidence provided.
3. If evidence for N/C finding not available to ESA, create Compliance Review.

Current Process



Proposed Process



3 October 7, 2021

Due Diligence Inspections ESA Proposed Option to Address Audit Finding

ESA Documents to be revised:

- a) Distributor Bulletin (posted in April of 2022)
- b) ESA Internal BBP
- c) Draft Report
- d) Final Report

4 October 7, 2021

Due Diligence Inspections Final Report (Compliance Review)

Electrical Safety Authority
Due Diligence Inspection Final Report

Form ESD-1000 (Rev. 10/2019)

Due Diligence Name: [Redacted]

1. The following report is a FINAL REPORT and constitutes the Due Diligence Inspection.

EXECUTIVE SUMMARY
In order to ensure compliance with Regulation 2104, Electrical Safety Authority (ESA) will perform Due Diligence Inspections on all electrical installations, systems, and equipment. The purpose of this inspection is to ensure the installation is in compliance with the applicable safety standards and to identify any non-compliance. The following information is provided:

INSPECTION DETAILS

Inspection Date	Type	Location
10/07/2021	Final Report	1000 10th Avenue, Suite 100, Vancouver, BC V6Z 1Y1

SCOPE OF INSPECTION
The scope of the inspection was limited to the electrical installation and equipment located at the above address. The inspection did not include a review of the design or engineering drawings.

FINDINGS

- 1. The electrical installation was found to be in compliance with the applicable safety standards.
- 2. The electrical equipment was found to be in compliance with the applicable safety standards.
- 3. The electrical installation was found to be in compliance with the applicable safety standards.
- 4. The electrical equipment was found to be in compliance with the applicable safety standards.
- 5. The electrical installation was found to be in compliance with the applicable safety standards.
- 6. The electrical equipment was found to be in compliance with the applicable safety standards.

CONCLUSION
The electrical installation and equipment located at the above address were found to be in compliance with the applicable safety standards. The Due Diligence Inspection was completed successfully.

Signature
[Redacted Signature]

Date
10/07/2021

Electrical Safety Authority
1000 10th Avenue, Suite 100, Vancouver, BC V6Z 1Y1
Telephone: (604) 712-4888 Fax: (604) 712-1000
Website: www.esa.bc.ca Email: info@esa.bc.ca

ESA would like to express thanks to [LDC Name] for the cooperation and support during this Due Diligence Inspection. The Due Diligence Final Report constitutes a Closing Letter. An unresolved issue of Non-Compliance has been identified and ESA will initiate a Compliance Review to receive evidence of completing an Action Plan from [LDC Name].

7 October 7, 2021

Thank You



October 7, 2021

Serious Electrical Incident Reporting Auditor General Recommendation Information

Utility Advisory Council
Sean Burger, P.Eng.



Serious Electrical Incident Reporting Auditor General Finding

ESA had an External Auditor come in and they

1. **Observed** that "... some of the mandatory reporting serious electrical incidents that were reported by distributors were missing details... and unable to determine if these incidents were reported within 48 hours."
2. **Recommended** that "ESA consider automation for on-line reporting of the serious electrical incidents by distributors. This could address the issue of incomplete information as being reported by some distributors"

Serious Electrical Incident Reporting ESA Proposed Action to Address Audit Finding

Current Process:

- LDCs notify ESA via telephone, fax or email to the CSC
- LDCs can also send the SEI information directly to ESA.Cambridge@electricalsafety.on.ca.
- Information to be sent by the LDCs is outlined in *Guideline for Serious Electrical Incident Reporting*.

Proposed Process (Implementation May of 2022):

- New online form for reporting on ESA UR website
- Information automatically distributed to CSC and UR staff
- Copy of form submitted can be sent to the submitter or others
- As a transition current methods of reporting may still be utilized as alternative

3 October 7, 2021

Thank You



Utility Advisory Council October 7, 2021

Information Hazards Associated with Raising of Buildings

Patrick Falzon, C. Tech
Powerline Safety/Code Specialist
Powerline Safety Group
Electrical Safety Authority



Hazards associated with raising of buildings

Background

- Cottage owners requesting building to be raised.
- Contractors performing the work raise building while service remains energized.
- Risk includes:
 - Breaking service conductor or pole;
 - Damaging service mast;
 - Damaging consumer service ground wire resulting in potential shock and fire hazards.



Hazards associated with raising of buildings

- Flash Notice published to inform the industry to:
 - Contact LDC to request power disconnected;
 - Obtain a notification work since ground wire will need to be extended to electrode.
- Distributor Bulletin will be created
 - A connection authorization will be required.
 - Connection Authorization Bulletin #DB-05-16 will be updated. Bulletin will not provide exemption to energizing the service to a building being raised.



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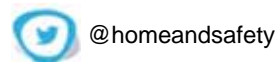


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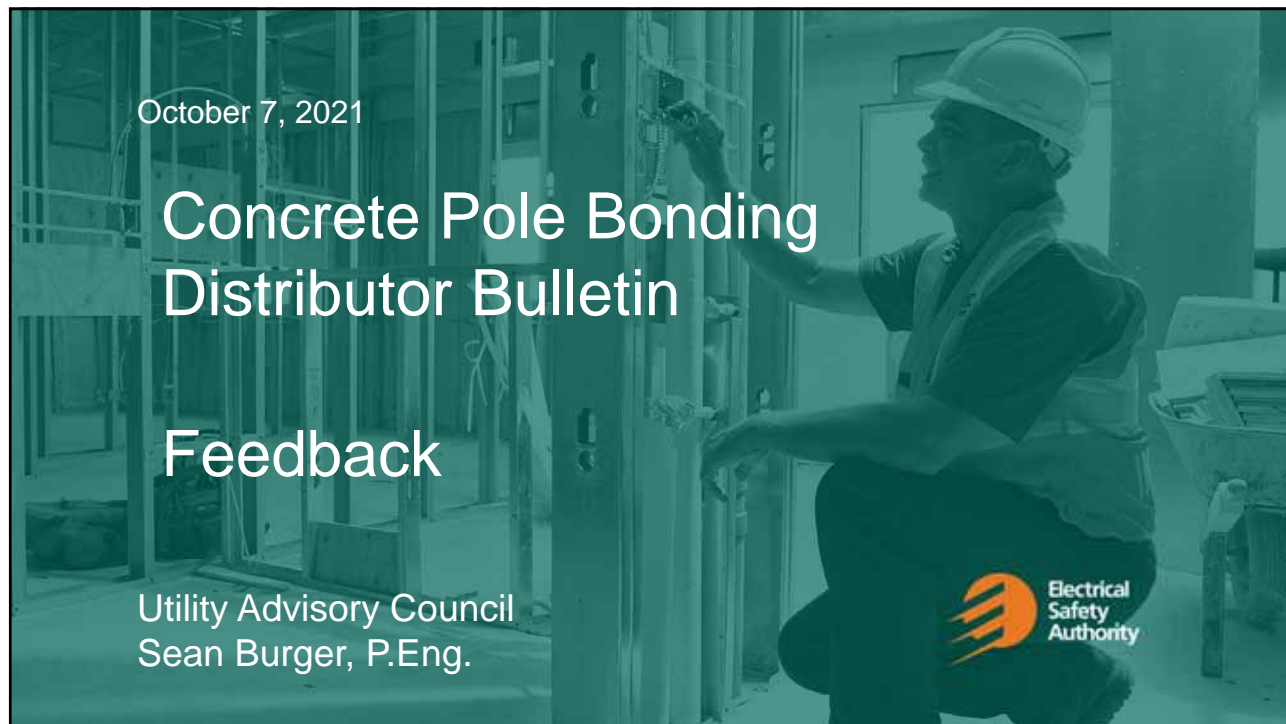
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Concrete Pole Bonding Distributor Bulletin

Background

ESA has been informed that the reinforcing metal in concrete poles has not been effectively grounded by some Electrical Distributors (when the effectively grounded option was used to satisfy the requirements of CSA C22.3 No.1 Overhead Systems).

ESA Direction

Reinforcing metal of concrete poles shall be effectively grounded, guarded or isolated.

Concrete Pole Bonding Distributor Bulletin

CSA 22.3 No.1 Overhead Systems:

9.1.7 Grounding metal and concrete poles

Metal poles or the **reinforcing metal of concrete poles**, where such poles carry supply-line conductors or are in contact with metal-sheathed supply cable or the metal cases of supply equipment, **shall be effectively grounded, guarded, or isolated**.

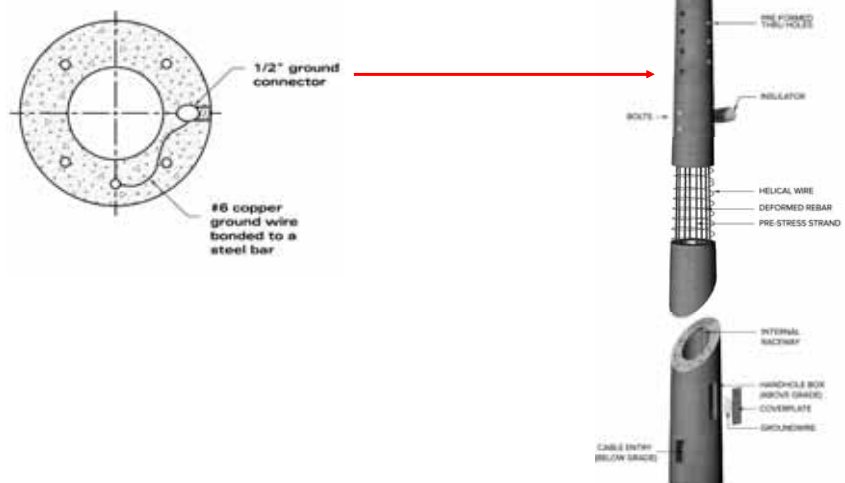
CSA 22.3 No.1 Overhead Systems definitions:

Effectively grounded — **permanently connected to earth through a ground connection of sufficiently low impedance** and having sufficient current-carrying capacity to prevent the buildup of voltages that can result in undue hazard to connected equipment or to persons.

Multi-grounded neutral — a supply-line neutral conductor that is grounded at multiple locations so that the neutral is **effectively grounded**.

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Concrete Pole Bonding Distributor Bulletin

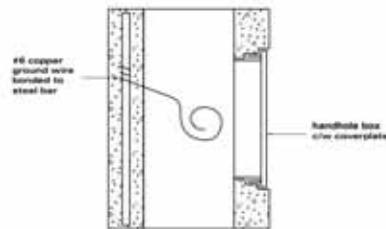


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Concrete Pole Bonding Distributor Bulletin

ESA Recommendation

- Electrical Distributors review their design standards with staff and contractors to ensure that reinforcing metal of concrete poles are being effectively grounded.
- Handhole frames and cover plates are grounded to the pole grounding system if there is a potential for them to become energized, such as with conductors in the pole for streetlighting.



5 October 7, 2021

Thank You

October 7, 2021

CVP Refresher Training – Time Period Discussion

Feedback

Utility Advisory Council
Jason Hrycyshyn



CVP Refresher Training – Time Period Discussion

BACKGROUND INFORMATION

- ESA has identified an increased number of requests to prolong the time period between CVP Refresher Trainings.
- ESA is looking to publish a maximum interval period and is seeking this Council's input.
- Current Time Periods
 - Annual – Typical for Electrical Distributors
 - 2 Year interval – Some Electrical Distributors
 - 3 Year interval – One Electrical Distributor



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Update Itron Meter Survey

Patrick Falzon, C. Tech
Powerline Safety/Code Specialist
Powerline Safety Group
Electrical Safety Authority



Meter Failures-Survey Update

Background

- Festival Hydro presented at the October 6, 2020 meeting
- Failures they have seen when used in 347/600V applications
- ESA's action item
 - Survey LDC's across the Province if they have had the same issues with the same meter





Meter Failures-Survey Update

Sent the following Survey on November 18, 2020

During the last Utility Advisory Council held on Oct 6, 2020, ESA took on an action item to email all the LDC's to conduct a data survey and your input is appreciated.

The purpose of the survey is to collect information regarding the use and voltage application of the Itron Sentinel SS4S1D Form 16S in Ontario.

The information gathered in this survey will be maintained in accordance with the ESA's Access and Privacy Code.

1. Does your Distribution Company have this particular model in your service territory? (YES or NO)
2. If yes what is the voltage application and how many:
 - a. 120/208 V
 - b. 347/600 V or
 - c. in stock but not in use?

3



Meter Failures-Survey Update

Results

- Four LDC's use for 347/600V applications totalling 884 meters
- Three LDC's use for 120/208V applications totalling 608 meters

4



Meter Failures-Survey Update

Second survey sent to those LDC's

- Requesting information if they had meter-related electrical incidents specific to the Form 16S 347/600V applications.
- One LDC informed they had 10 failures but not certain if the same form

5



Meter Failures-Survey Update

- ESA communicated with Itron in regards to the reported failures.
- 2017 Sentinel issued a Product Information Letter (PIL) to their customers:
 - They introduced an enhanced power supply option in early 2016; and
 - Added circuitry to improve the meter's response to conditions outside its operating range above the specified regulatory requirements.

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Meter Failures-Survey Update

- ESA will inform the LDC's who has the meters in use to communicate with Sentinel to obtain the PIL and take appropriate action.
- ESA consider safety factors to be addressed and is closing it's review into this issue

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Scorecard Component C

Background

The Scorecard's Component C addresses metrics for "Serious Electrical Incidents".

Serious Electrical
Incident Index

Number of General Public Incidents

Rate per 10, 100, 1000 km of line

There was a request by a member of the Utility Advisory Council to revise the Working Group model to discuss this Component.

ESA has agreed to reconvene the Working Group.

Scorecard Component C

Next Steps – Looking for Feedback

- Ensure any changes can be accommodated by OEB.
- **Step up 3, half-day meetings** for Working Group sessions within **Q1 to Q2 of 2022**.
- Send invitations to UAC Members, Main Utility Contacts and members of the original Scorecard Working Group.
- Accept up to 8 Working Group Members.
- Generate a proposal for ESA to consider, once agreed to by ESA present **the proposal to the UAC for feedback**. Once agreed implement changes.

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Utility Advisory Council October 7, 2021

Information Roadway Lighting Systems on Distribution Poles

Patrick Falzon, C. Tech
Powerline Safety/Code Specialist
Powerline Safety Group
Electrical Safety Authority



Roadway Lighting Systems on Distribution Poles

Background

- Questions have been brought on who is permitted to transfer the roadway lighting assets when installed on LDC's poles.
- LDC installs a new pole and transfers LDC's assets to the new pole



Roadway Lighting Systems on Distribution Poles

Direction

- Since roadway lighting equipment falls under the requirements of the OESC and is beyond the ownership demarcation point, LDC's are **not** permitted to transfer the equipment unless they meet the Licensing requirements of Regulation 570/05.
- Notification of work is required or may be covered under the Continuous Safety Services program



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October 7, 2021

Up to Speed: Ontario's Broadband and Cellular Action Plan

Information

Utility Advisory Council
Jason Hrycshyn



Up to Speed: Ontario's Broadband and Cellular Action Plan

BACKGROUND INFORMATION

Accelerated High-Speed Internet Program (AHSIP) - (previously the Accelerated Broadband Program)

Building Broadband Faster Act, 2021

The Schedule enacts the *Building Broadband Faster Act, 2021*. The purpose of the Act is to expedite the delivery of broadband projects of provincial significance.

Notably, the Act is amended by adding a new Part VI.1 (Electricity Infrastructure). The Part applies with respect to the development of, use of or access to electricity infrastructure that is wholly or partly for a purpose other than the generation, transmission, distribution, consumption, sale or demand management of electricity, if the development, use or access is specified by regulations made under the Part.

There is currently meetings underway with relevant parties to see how to expedite broadband projects. ESA and specifically Regulation 22/04 is a part of the discussions.

Up to Speed: Ontario's Broadband and Cellular Action Plan

HIGHLIGHTS

- Currently work is being done on the draft Building Broadband Faster Act (BBFA). The Act will address a broad set of items related to Third Party Attachments, including items relevant/related to Regulation 22/04.
- The review period for the Act is still expected not be long and be relevant to multiple departments within your organizations.

3 UAC Presentation | October 7, 2021



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October 7, 2021

Ground Current - Private Members' Notice Information

Utility Advisory Council
Jason Hrycshyn



Ground Current - Private Members' Notice

BACKGROUND INFORMATION

ESA wants to highlight the return of a private member's motion addressing "Ground Current".

- The Previous Bill addressing "Ground Current", Bill143 – the Ground Current Pollution Act, 2006, was addressed by the Utility Advisory Council via a Working Group.
- The Current Motion addressed creation of a working group to examine the issue of ground current and to provide recommendations about developing best practices in order to protect people and livestock from stray current.

Ground Current - Private Members' Notice

MORE INFORMATION

https://www.ola.org/en/legislative-business/house-documents/parliament-42/session-1/2021-05-03/hansard#P231_13482

ESA wanted to inform the Council of the motion. ESA requests that the Council inform ESA and the Council of any developments in this area which may affect the distribution system.

Please note that ESA will also be following developments of this motion to identify potential impacts to the OESC and Reg. 22/04.

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Contact Us

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Utility Advisory Council October 7, 2021

Information Serious Incidents

Patrick Falzon, C. Tech
Powerline Safety/Code Specialist
Powerline Safety Group
Electrical Safety Authority



Serious Incidents-Injury

Background

- Member of the public task was to removed tree
- Powerlines hidden within the trees
- Included the use of a boom truck
- Received burns to his hand and head

Before



After



Serious Incidents-Fatality

Background

- 27.6kV distribution system installed on tower
- Victim and a couple of friends were in the area around the tower at 1:30am
- 27 year old climbed the tower and was fatally injured

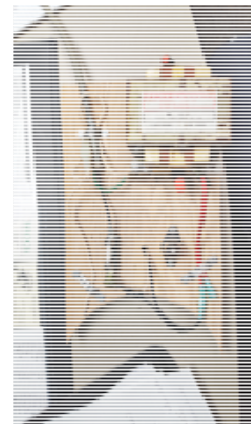


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Serious Incidents-Fatality

Lichtenberg Generator

- July 2021 fatality with homemade device to create fractal artwork
- 2nd fatality this year



4

Serious Incidents-Fatality

Background

- Tree broke during a storm and pulled down a single phase primary line on top of an unoccupied vehicle in a parking lot.
- Small fire occurred and victim approached the vehicle to extinguish the fire.
- Protection did not operate-high impedance fault.
- Received an electrical shock.
- Coroner confirmed death by electric shock.



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