Utility Advisory Council Meeting



Minutes of Meeting February 16, 2023 9:00am - 3:00pm

Electrical Distribution Safety

Utility Advisory Council Members

LDC/Owner-Operator		
Alectra Utilities	Joseph Chiuco	
Elexicon Energy Incorporated	Faisal Habibullah	
Enova Power Corporation	Greig Cameron	
Festival Hydro	Goran Borovickic	
Hydro One - Distribution	Peter Petriw	
Hydro One - Transmission	Ajay Garg	
Hydro Ottawa	Edward Donkersteeg	
InnPower Corporation	Arthur Berdichevsky	
London Hydro	Greg Sheil	
Newmarket-Tay Power Distribution Ltd.		
Toronto Hydro	Sushma Narisetty	
General Interest		
Bell Canada/Telecom Industry	Tony Pereira	
Consumer Advisory Council	Sandy Manners	
CSA Group		
IHSA		
Power Workers Union		

Quorum 2/3 of voting members (11/16)

Other Attendees

Anna Dunscombe (Ministry of Public and Business Service Delivery), Brittany Ashby, (EDA), Rob Koekkoek (Orangeville Hydro), Lori Gallaugher (USF), Stephen Cain (OEB), Ryan Zade (Ministry of Energy), Glen Sturdy (Sturdy Powerlines – OEL), Shevan Mustafa (Enova Power), Marvio Vinhaes (ENWIN Utilities), Kim Liu (Bell), Melissa Gallina (LURA Consulting), Susan Hall (LURA Consulting), Alexander Furneaux (LURA Consulting), Shawn Blacklock (CoAC), Dave Ackison (CoAC)

ESA Attendees

Nansy Hanna, Jason Hrycyshyn, Sean Burger, Patrick Falzon, Claire Loucks, Ray Yousef, Mel Pace, Freda Lam, Anna Turkalj



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Electrical Distribution Safety

Notice & Quorum 1

- The meeting had guorum

2 **Minutes of UAC Meeting**

The following motion was carried: Motion: To accept the minutes of the November 11, 2022 meeting Motioned by: Ed Donkersteeg Second: Ajay Garg Motion carried.

- Disconnect/reconnect requests timelines CoAC (Shawn Blacklock & Dave 3 Ackison)
 - Contractor members of the Contractor Advisory Council (CoAC) have expressed concerns at how long it takes to get a disconnect and reconnect form various LDCs
 - Some LDCs have indicated that they are experiencing a backlog and it is taking some time to scheduled a disconnect and reconnect
 - Contractors are looking to get a better estimate on how long to receive a disconnect and reconnect than the standard 4-6 days
 - There have been cases where contractors have removed the meter on their own due to long wait times to perform work
 - It was suggested that some LDCs attend the next CoAC meeting to discuss this issue with the Council.
 - Next meeting is March 2, 2023 (9am-noon)
 - ESA Communications will reach out to Hydro One and Hydro Ottawa to invite to the next meeting
 - Section 7.3 of the Distribution System Code provides timelines that LDCs are to meet for appointments with customers

Update on the 3-Phase 3-Wire Solidly-Grounded Wye Installations - Jason 4 Hrycyshyn

- An update on the status of this program was provided to the Council

5 Using Software-Based Engineering Tools - Regulation 22/04 - Jason Hrycyshyn

- ESA is using the Third Party Guideline working group to discuss software based engineering tools



- Some LDCs were using software to create work instructions and there was no sign off where the LDC has taken accountability

6 Connection Authorization Requirement for Utility Interactive Inverters - Mel Pace

- Probably be inevitable that there will be many Utility Interactive Inverters coming online in the next few years. Right now it appears that this will be a complete 180 from where LDC documentation and agreements are currently
- Having grid support could future proof the installations
- ESA is only looking for certified equipment. Currently there are no Canadian approved grid support inverters so ESA is allowing UL approved grid support inverters if the LDC asks for it. We are now starting to see grid support inverters seeking Canadian approval
- If a grid support inverter is installed who is providing the settings?
- ESA explained that the current practice is not accepting "Grid Support Inverters" unless requested by the Electrical Distributors due to missing Canadian certification. Once "Grid Support Inverters" with Canadian certification are available, ESA will allow the installation of this equipment regardless if requested by the Electrical Distributors or not.
- ESA also explained that as a business practice, ESA will send a connection authorization to the Electrical Distributor indicating interconnected electrical power production sources.
- The question was posed from the Council if there should be further discussion on this (like a working group)
 - Considering this is not electrical safety related, ESA suggests Electrical Distributors can meet on their own to determine any non electrical safety related requirements for this equipment. However, should the need arise to discuss any electrical safety points, ESA should be involved in the discussion

7 Guideline for Distributed Energy Resources (DER) - Review/Revise/Reaffirm - Jason Hrycyshyn

- Two revisions were provided to ESA and they were accepted and the Guideline updated accordingly
- The revised Guideline has been posted to the ESA website (<u>https://esasafe.com/assets/files/esasafe/pdf/Utilities/Guideline-for-Distributed-Energy-Resources-DER-2.1.pdf</u>)
- The Guideline will be reviewed in a year



Electrical Distribution Safety

8 LDC Safety Seminars - Patrick Falzon

- In the past some LDCs would have safety seminars for contractors in their service territory
- If LDCs are starting up these safety seminars again Patrick is available to come out and present a powerline safety presentation

Copper Theft Workshop - LURA Consulting 9

- LURA Consulting led the Copper Theft Workshop and will provide ESA with the feedback and discussion from the Council

10 Professional Engineer and Licence Status for Regulation 22/04 - Mel Pace

- Regulation 22/04 a Professional Engineer is required to have a license status "Permitted to practice" to sign Ontario Regulation 22/04 documentation
- DB-02-09-v1 will be updated to align with current PEO practice
- Updates will be shared with the Council before being published

Council Bi-Annual Survey & Results - Claire Loucks 11

- EDA does have small LDCs in their membership and able to engage them with items that come from the UAC
- What about building a list of potential goals that we want to accomplish as a council in 2024? This could be a measure of how the council is at moving stuff along
 - ESA is starting to work with Councils to develop a work plan for each council
 - ESA can put together a draft work plan and circulate with the council

Action 2023-01-01: ESA to propose a draft work plan for the UAC and bring it to the next meeting for discussion. Claire Loucks

12 EV Discussion - Jason Hrycyshyn

- Some LDCs have indicated for now and the near future they are not interested in getting in to the EVEMS space
 - Would rather see ownership of EVEMS with the building owner
- ESA was asked how it determines circuit loading for installations



9:00am - 3:00pm

Electrical Distribution Safety

- OESC Bulletin 08-09-* provides this direction https://esasafe.com/assets/files/esasafe/pdf/Electrical Safety Products/Bull etins/08-03-14.pdf
- There is a lot of work being done at many levels (IESO, OEB, LDCs, LDC Affiliates, Customers, etc.)
- ESA to poll the Council to see if there is interest in a working group

13 Vegetation Management Bulletin - Mel Pace

- ESA has added definitions to bulletin DB-12-09
- Has ESA ever looked at aligning with the IHSA tree trimming (https://www.ihsa.ca/PDFs/Products/Id/SPG8.pdf)
 - Motion: To adjourn the meeting
 - Motioned by: Arthur Berdichevsky
 - Second: Sushma Narisetty



Open Action Items

Meeting of the Utility Advisory Council

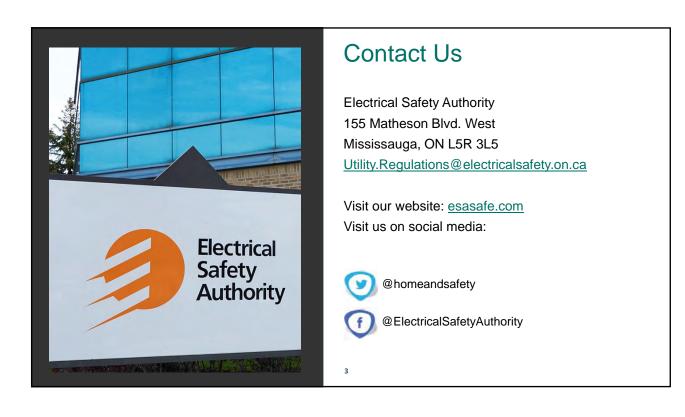
Date: Wednesday February 16, 2022 Time: 9:00 AM - 1:40 PM Location: Zoom Meeting

2019-03-01	ESA to develop a process for facilitating resolution of conflict between LDCs and a Third Party equipment owner		
	Defer		
2021-03-01	Street Lighting Work that falls under CSS	Patrick Falzon	
2021-05-01	Ongoing		
2022-03-02 Guideline for Distributed Energy Resources Council Feedback		Jason Hrycyshyn	
2022-03-02	Updated version 2.1 being posted to the website.		
2022-03-03	Distributor Bulletin: Service Entrance Equipment that is under the control of the equipment owner	Patrick Falzon	
2022-03-03	Ongoing		
2022-03-04	Vegetation Management of LDC Secondary Lines on Private Property		
	ESA to review if vegetation management around LDC owned secondary lines is viewed as a high risk activity. ESA		
	to provide data on the number of incidents, contacts and injuries or fatalities related to vegetation management		
	around LDC owned secondary lines.		
	Ongoing		
2022-03-01	ESA to close the voluntary reporting of meter failures program	Freda Lam	
2022-03-01	Completed		



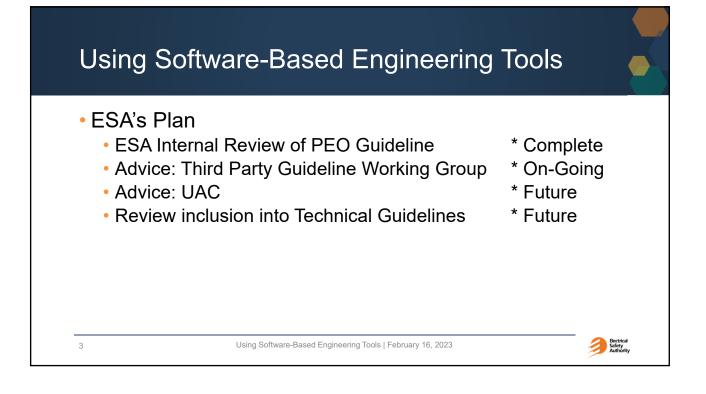
3-Phase 3-Wire Solidly-Grounded Wye Customer Services

FLASH NOTICE #1	January 2022	October 2022	February 2023
umber of Possible Configuration of Concerns	Number of Possible Configuration of Concerns	Number of Possible Configuration of Concerns	Number of Possible Configuration of Concern
~15,000	~5,416	~3,662	2,983
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	35	39	41





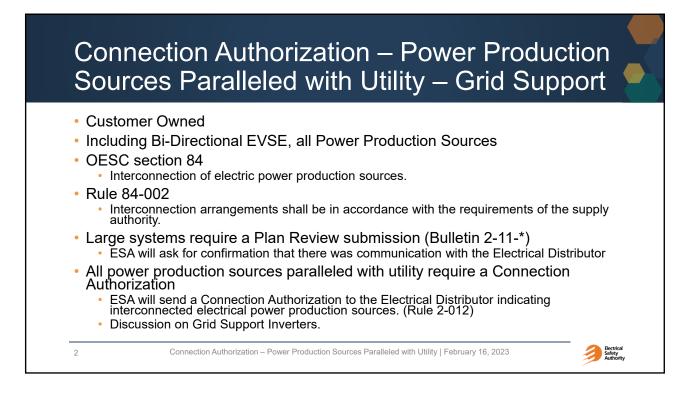






Connection Authorization – Power Production Sources Paralleled with Utility – Grid Support Regulation 22/04

Feedback February 16, 2023

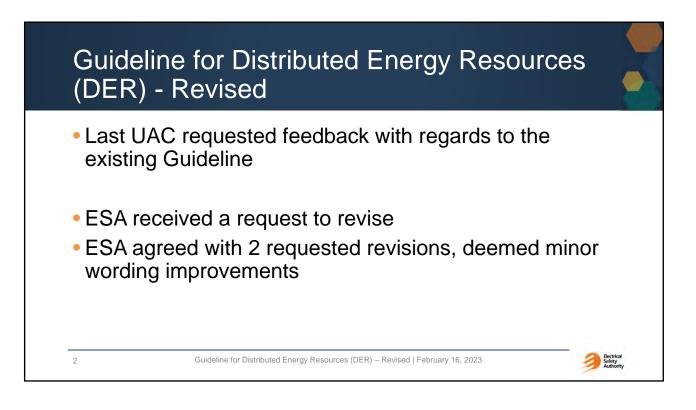


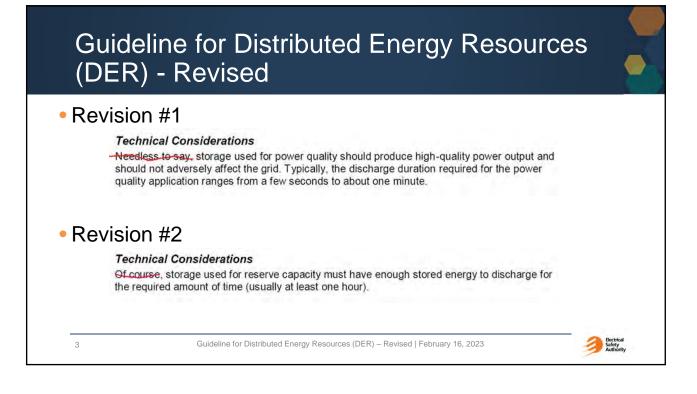


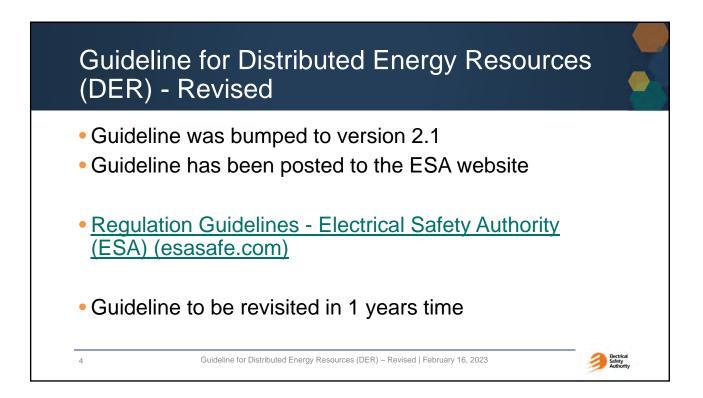
Guideline for Distributed Energy Resources (DER) -Revised

Regulation 22/04

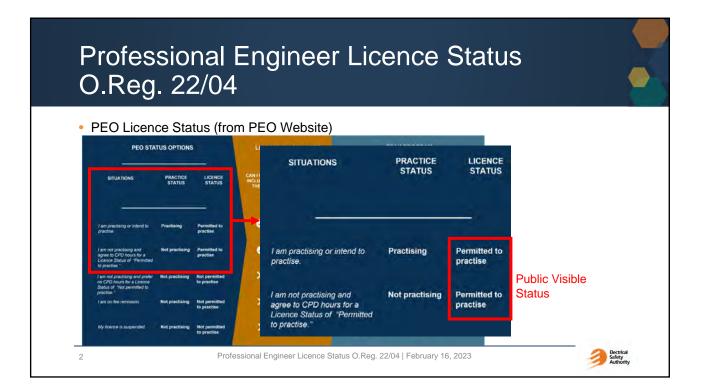
Update February 16, 2023

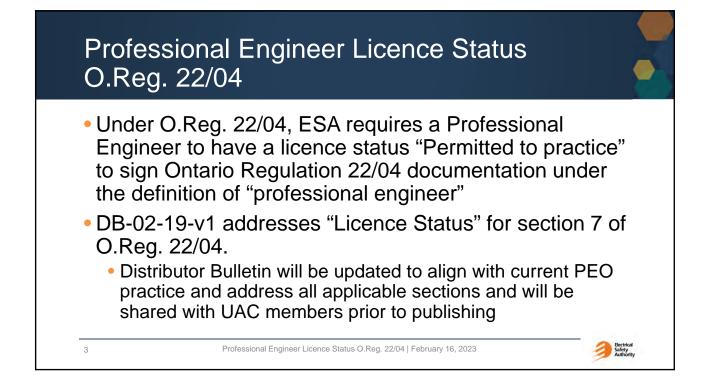










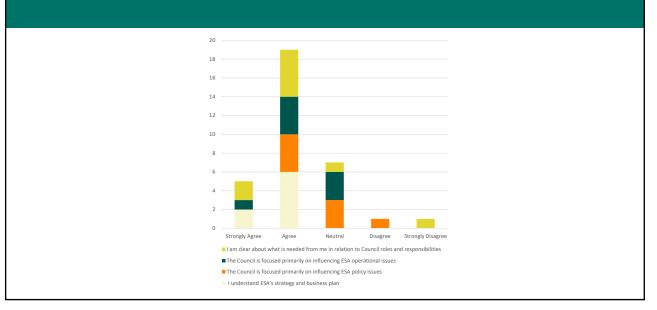


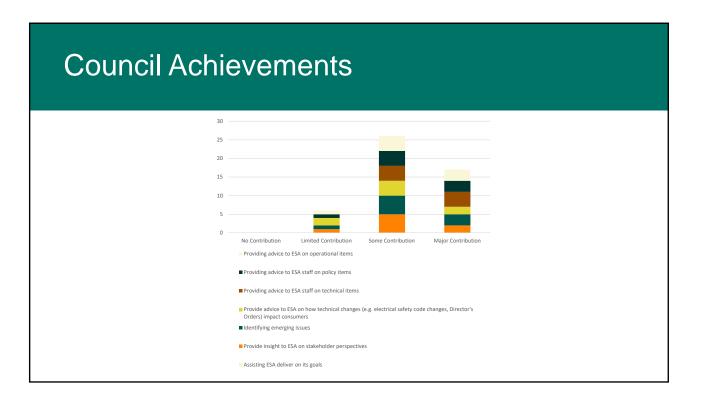


Survey Overview

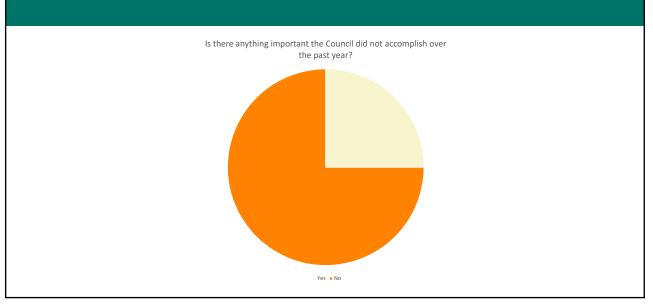
- UAC survey was conducted between October 11 and November 11, 2022
- •8 members responded and provided feedback

Understanding of Mandate

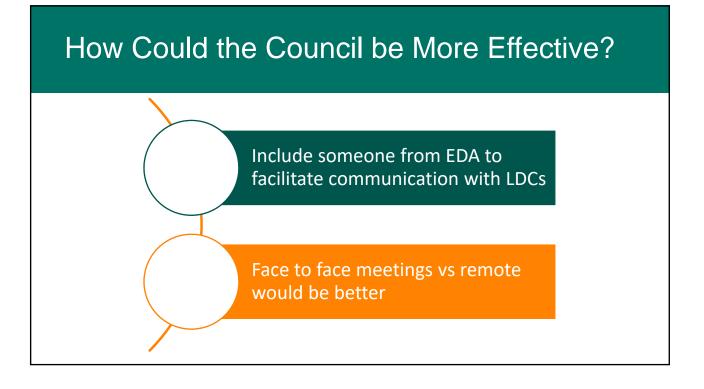


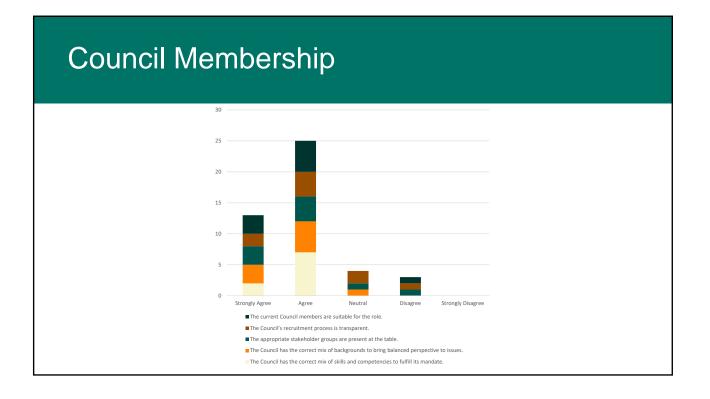


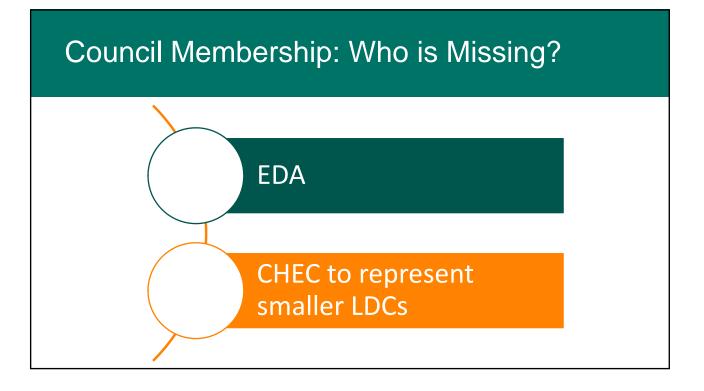
Council Achievements

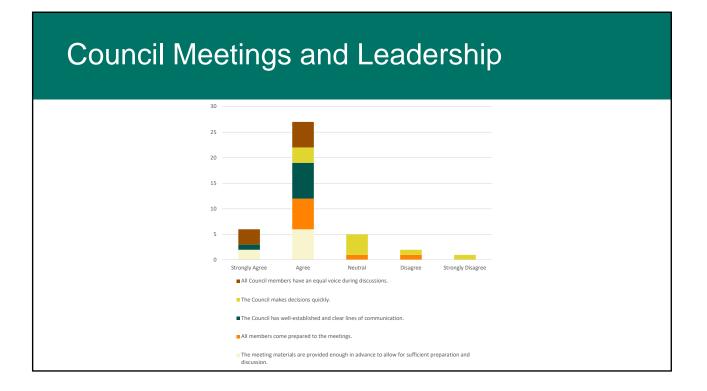


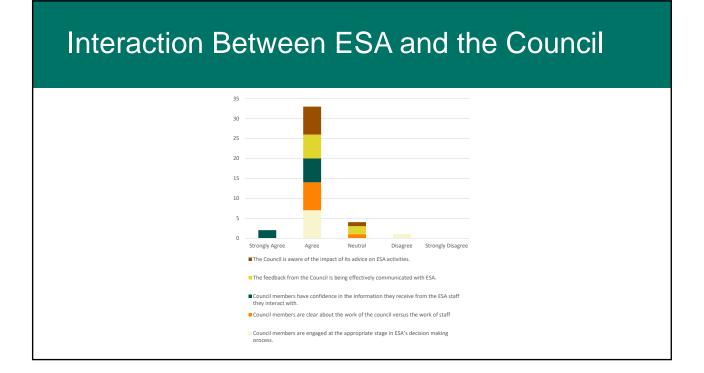
What Was Not Accomplished? Some items on follow up list have been around for years Updating the Technical Guidelines around Reg 22/04. A 5 year review window was accepted but never addressed





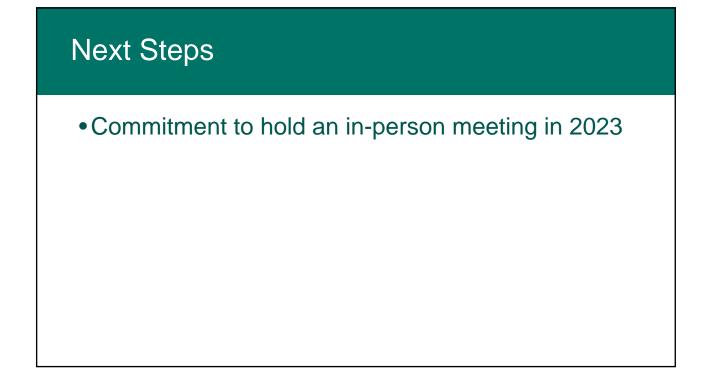


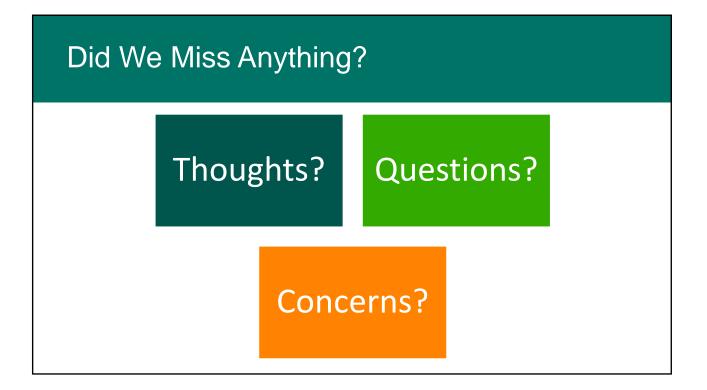




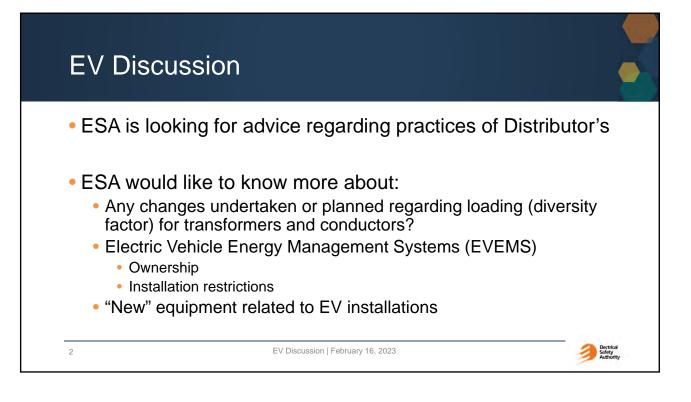
Key Takeaways

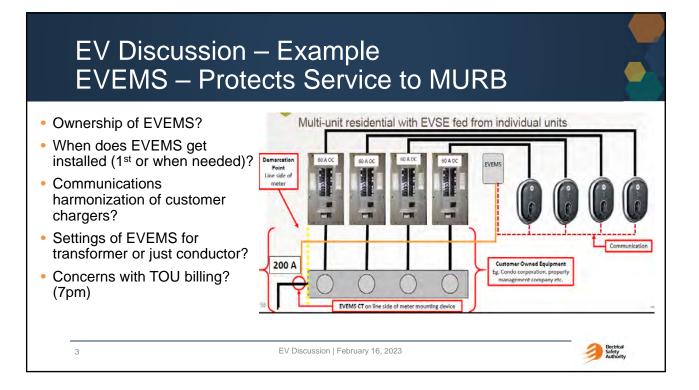
- UAC members have a strong understanding of the Council's mandate and achievements
- Respondents were divided regarding meeting preparation and the Council's ability to act quickly
- Additional representation from smaller LDCs could be beneficial

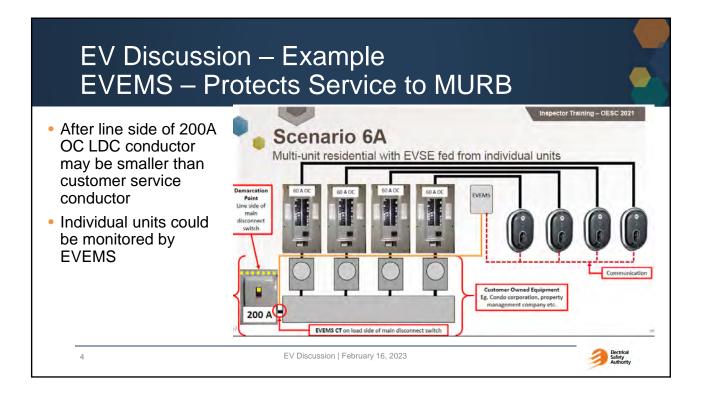


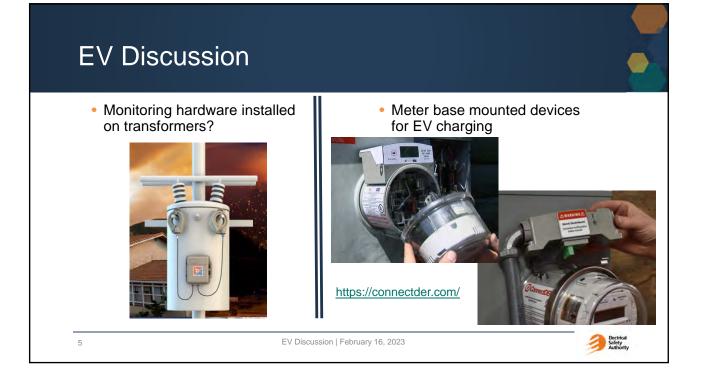














Vegetation Management

Update February 16, 2023

Vegetation Management Bectrical Safety Authority **Distributor Bulletin** Draft DB-12-09 has been revised, added: Vegetation Management Obligations Regulation 22/04 Excerpt - Definitions bution Company Awareness distribution line secondary distribution line on 22/04 Ex ESA Recommends modify vegetation management practices and other measures to avoid unauthorized people from contacting overhead lines · vegetation management is ultimately the responsibility (under O.Reg. 22/04) of Distributor for public and private property If contracting, hire Utility Arborists that are 444B certified Vegetation Management| February 16, 2023 Bectrical Safety Authority 2