Electrical Safety Authority

Electrical Distribution Safety

Utility Advisory Council Meeting

Minutes of Meeting
February 24, 2026
9:00am – 12:00pm

Utility Advisory Council Members

LDC/Owner-Operator	
Alectra Utilities	Joseph Chiuco
Elexicon Energy Incorporated	Ken Gallen
Enova Power Corporation	Shevan Mustafa
Festival Hydro	Bryon Hartung
Hydro One - Distribution	Muayad Tarabain
Hydro One - Transmission	Fred Kouhdani
Hydro Ottawa	Edward Donkersteeg
InnPower Corporation	Arthur Berdichevsky
London Hydro	Scott Glazer
Newmarket-Tay Power Distribution Ltd.	Eric Andres
Oshawa Power	Peter Petriw
Toronto Hydro	Sushma Narisetty
General Interest	
Bell Canada/Telecom Industry	Zhi Lin
Consumer Advisory Council	Salim Al Khodari
IHSA	David Burns
Regrets	
CSA Group	Rohit Nehru
Power Workers Union	Patrick Fee

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

Other Attendees

Cathy Nguyen (OEB), Esther Terner (Ministry of Public and Business Service Delivery and Procurement), Kishen Pais (Oakville Hydro), Marvio Vinhaes (ENWIN Utilities Ltd), Namrata Joshi (Alectra Utilities), Rudra Mukherji (EDA), Sarzil Rahman (USF), Spencer Hughes (Hydro One), Rob Koekkoek (Orangeville Hydro)

ESA Attendees

Nansy Hanna, Jason Hrycyshyn, Patrick Falzon, Goran Velickovski, Steve Habermehl, Alex Piccini, Aateff Hussaini, Maher Girgis, Declan Doyle

1 Notice & Quorum

- The meeting has quorum

2 Agenda

- ESA was asked to talk about the after hours connection process
    - This topic was discussed prior to this meeting and ESA would like to have someone from their operations department attend for this topic.
    - This will be discussed at the June meeting

Motion: To accept the agenda
Motioned by: Peter Petriw
Second: Bryon Hartung
Motion carried.

3 Minutes of UAC Meeting

The following motion was carried:
Motion: To accept the minutes of the October 29, 2025 meeting
Motioned by: Peter Petriw
Second: Shevan Mustafa
Motion carried.

4 Review of Open Action Items

- 2019-03-01 and 2025-03-01
    - These items should be ready to present at the June meeting
- 2025-02-01
    - In progress
- 2025-03-02
    - On the agenda

5 Membership Renewals

- Group 2 renewals coming up in June 2026
- ESA will reach out individually to these organizations to confirm their intention of remaining a member of the UAC
- ESA may also reach out to all the Utility main contacts to see if there is interest from other Utilities in joining the UAC
- ESA was asked if there any restriction on the same person at an organization continuing as the representative

- There are no restrictions on the same person from an organization remaining on the UAC
- The Terms of Reference outline membership details

6 3 Phase 3 Wire

- An update was provided on the status of this program
- About 100 more of these installations have been made safe

7 Audit Realignment

- There was no opposition to ESA pursuing an audit realignment
- The UAC would like to see a more defined option that takes into consideration several factors such as
  - Utility year end paperwork
  - Auditor availability
  - Not compressing timelines
  - Utilities that span multiple regions
  - Sufficient lead time to implement potential new audit periods (about 3 years was discussed as a sufficient lead time)
- ESA will bring back a proposal to the June UAC

8 Disconnect Switch (Bulletin 84-1-*)

- Change the “shall” in the note to a “should”
- There is a lot of cost in materials and time to run to this disconnect if the Utility does not want the disconnect or won’t operate the disconnect. ESA decided that the default will be the main breaker in the panel as this is permitted under the OESC unless the Utility has specified otherwise
- ESA will issue a distributor bulletin informing Utilities
- ESA is planning to release bulletin 84-1-* October 2026 however we may be able to hold off on this bulletin to May 2027 if Utilities would like additional time to update their documentation
- Some Utilities update their documentation (like Conditions of Service) annually,
  - Changes to documentation like the Conditions of Service the change would not be until January 2027
  - Not all Utilities will be on the same schedule for documentation updates

9 Roadway lighting draft bulletin 30-13-*

- Street lighting is to be installed as per the OESC since around 2000
- There is a large portion of legacy street light wiring that is not compliant with the OESC
    - No bond conductor, and
    - No service entrance equipment
- Municipalities are replacing multiple poles supporting roadway lighting systems as part of a pole replacement program and are not considering replacing the underground wiring at the same time
- Effective January 1, 2027, direction to include:
    - When replacing a minimum of 3 or 50% of the roadway lighting poles that are interconnected as part of the same circuit:
        - New wiring between poles incorporating a bond conductor will be required
        - Installation service entrance equipment
        - Bond conductor connected to the non-current carrying metal parts of the installation
    - Does not apply to replacing single pole due to a motor vehicle accident
- Does this include municipal attachments on Utility owned poles?
    - This is a question that ESA will have to look into.
    - This direction was initially undertaken for standalone streetlight poles where the wiring is underground.
- LDC owns the overhead supply bus for the lights usually right? Or it's a separate municipality-owned supply bus.
    - If the streetlights are being connected to a non-dedicated overhead bus then a weatherproof fuselink to connect to the Utilities secondary bus is permitted
    - If the streetlight are being connected to a dedicated bus then a service entrance box is required

10 DSO Model

- For Utilities that are considering the DSO model ESA would like to hear back from you to see if there are any issues comments or suggestions on ESAs approach
- There appears to be some overlap with this topic and the DER WG that ESA is currently leading at the UAC
- Does this apply to aggregators as well? They are not classified as distributors but they may own the assets.

  - If they aren't distributors then the assets would fall under the OESC and not Reg 22/04
  - The OEB would like to take this information back to their internal group looking at the DSO model for feedback as there are still questions that are being asked
- The assets may be customer owned and not owned by a licensed distributor
  - Customer owned assets would be subject to the OESC.
  - ESA will make the clarification in the presentation before sending to the council
- The UAC would like to receive a copy of this presentation

11 Toronto Hydro will draft a survey with questions relating to Demand Load vs Connected Load (Action Item 2025-03-02)

- There is a WG that is being pulled together under the CEC with CSA. The intention is this survey responses can be used to support changes at the Canadian level.
  - What specific challenge is it that they are being tasked with working on?
  - Looking to make changes to section 8 to have the design estimate closer to the actual load
- Recent OEB requirement for Utilities to post on their website typical loads for information purposes.
- Customers are electrifying more and there isn't enough data yet on this demand.
- Can the aggregate data from this survey be brought back to the council?
  - ESA can bring aggregate data back to the UAC
- Are there insights through smart metering that might give some information as to why loads are going up or down?
- Sushma will make some updates to the survey based on the discussion today
- Can ESA distribute to the UAC?
  - Yes
- Sushma can work with committees that she is a part of to circulate this nationally to see if we can get additional data.
- Background – Include that this is a UAC initiative to collect data for the benefit of all
- 50 questions is a lot even for multiple choice. Can we streamline the survey?

12 Powerline Safety Week

- ESA had a number of power line safety messages out in market with our partnership with the Blue Jays

- September and October of this year, so late into the season, plus early in the playoff run, we had a number of radio spots aired which focused around power line safety, that really helped to move the needle in some of our recent research
- Powerline Safety Week 2026 is May 12th to 18th
- ESA will have a press release and campaign materials are available for Utilities to use as well
- The campaign will also have a focus on the risks of distraction as we are seeing that distraction is playing a role in incidents
- The LDC Toolkit will be available approximately 2 moths prior to the campaign so ESA's late March release would contain the information for the LDC Toolkit
    - ESA Communications department will communicate with the Utility Communications departments to release this information
- IHSA would like to receive this as well

13 OEB changes of the DSC for Generation (micro)

- Some Utilities would be interested in getting the documentation that is submitted to ESA for plan review
- The remainder of this discussion is with item 14

14 ESA Plan Review threshold for DER submissions

- LDC Confirmation when the intent is to parallel with the grid
    - There were questions if the owner of a DER may not be communicating with the Utility so a requirement back from 2017 was to make sure that communication between the DER Owner and the Utility had been happening.
    - This requirement was brought in after discussion with Utilities at that time
- There are challenges with the privacy and confidentiality policy about sharing information surrounding a plan review with a third party including Utilities.
    - It is noted that there could be some benefits of sharing some of this information
- In the last code release we made the change to decouple from the OEB's requirements.
- ESA also removed the requirement of being operated in parallel with the grid to trigger a plan review as there are off grid installations that are 10kW that could be installed by a property owner where a plan review would highlight potential issues before the installation begins
- ESA was asked whether a CA is required when inverter export rating or output rating are adjusted in the field?

- ESA will set up a separate meeting with a couple of people to discuss this topic (Hydro One, Toronto Hydro, USF)

- Can we standardize what this inspector puts down for the CA?
- ESA would like to get input from LDCs on whether alignment would be a good idea
- USF - Note for the DER DSC change topic - would be interested in what other Utilities are doing / where people are for the following:
  - DER Hosting Capacity Calculations
    Post to your website, the methodology you use to calculate the remaining capacity, as submitted to Planview for the CCIM. See DERCP 4.4.2
  - Connection Costs
    Post to your website, the completed table (using the template provided by the OEB) showing the various connections costs; update the table annually. See DERCP 4.4.3 and Appendix G.1

15 Notifications and Connection Authorizations for Meter Mounted Transfer Devices

- Is ESA noting non compliant installations in the field?
  - When found by the inspector a NI compliance review would be issued
- Once the process of taking out a notification is started the entire process has to be followed including waiting for a CA to make the connection

16 Tesla Back up Switch

- Asked to move this to the June meeting

Fevruary 24, 2026

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

Update

Utility Advisory Council
Jason Hrycyshyn

Electrical Safety Authority

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

FLASH NOTICE #1	February 2025	October 2025	February 2026
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	626	256	154
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	48	50	50

Contact Us

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Visit our website: esasafe.com

Visit us on social media:

@homeandsafety

@ElectricalSafetyAuthority

Electrical Safety Authority

PROPOSAL: AUDIT REALIGNMENT

February 24, 2026

Feedback

OBJECTIVES

- Obtain feedback on difficulties for Distributors with moving Audit Groups and Timelines.
- Obtain feedback on a transition timeline if new Groupings are adopted.
- Get Auditors “better weather” conditions for the audits. More southern Distributors in the south during the winter periods.
- Look at moving from 3 groups to 2 groups.

APPROACHES

- APPROACH #1 – No Change
- APPROACH #2 – Focus on minimal changes
- APPROACH #3 – Focus on Auditor preference
- APPROACH #4 – Hybrid (Min Change + Auditor Preference)

EXAMPLE – Minimal Change

January 1 to December 31

Group 1 (27 Distributors) - May 31

Atikokan Hydro Incorporated	N
Bluewater Power Distribution Corporation	SW
E.L.K. Energy Incorporated	SW
Entegrus Powerlines Inc	SW
ERTH Power Corporation	SW
Essex Powerlines Corporation	SW
Festival Hydro Incorporated	SW
Fort Frances Power Corporation	N
Greater Sudbury Hydro Incorporated	N
Hearst Power Distribution Company Limited	N
London Hydro Incorporated	SW
North Bay Hydro Distribution Limited	N
Northern Ontario Wires Incorporated	N
PUC Distribution Incorporated	N
Sioux Lookout Hydro Incorporated	N
Synergy North Corporation	N
Algoma Power Incorporated	N
Alectra Utilities Corporation	C
Grimsby Power Incorporated	SE
Newmarket-Tay Power Distribution Limited	C
Niagara Peninsula Energy Incorporated	SE
Niagara-on-the-Lake Hydro Incorporated	SE
Oshawa PUC Networks Incorporated	C
Westario Power Incorporated	SW
Enova Power Corporation	SW
ENWIN Utilities Limited	SW
Tillsonburg Hydro Incorporated	SW

May 1 to April 30

Group 2 (28 Distributors) - August 30

GrandBridge Energy Inc	SE
Burlington Hydro Incorporated	SE
Centre Wellington Hydro Ltd	LN
Elexicon Energy Incorporated	C
EPCOR Electricity Distribution Ontario Inc	LN
Halton Hills Hydro Incorporated	C
Hydro One Networks Incorporated	C
Hydro One Remote Communities Incorporated	N
Innpower Corporation	LN
Lakeland Power Distribution Limited	N
Milton Hydro Distribution Incorporated	C
Oakville Hydro Electricity Distribution Incorporated	C
Orangeville Hydro Limited	LN
Toronto Hydro-Electric System Limited	C
Wellington North Power Incorporated	LN
Hydro 2000 Incorporated	E
Hydro Hawkesbury Incorporated	E
Hydro Ottawa Limited	E
Kingston Hydro Corporation	E
Lakefront Utilities Incorporated	E
Ottawa River Power Corporation	E
Wasaga Distribution Incorporated	LN
Welland Hydro Electric System Corporation	E
Cooperative Hydro Embrun Incorporated	E
Canadian Niagara Power Incorporated (FortisOntario)	SE
Cornwall Street Railway Light and Power Company Limited (FortisOntario)	E
Renfrew Hydro Incorporated	E
Rideau St. Lawrence Distribution Incorporated	E

Group 1
- Period: Jan - Jan
- Due: May 31

Group 2
- Period: March - March
- Due: May 31

Group 3
- Period: May - May
- Due: July 31

EXAMPLE – Auditor Preference

January 1 to December 31

Group 1 (26 Distributors) - May 31

Bluewater Power Distribution Corporation	SW
E.L.K. Energy Incorporated	SW
Entegrus Powerlines Inc	SW
ERTH Power Corporation	SW
Essex Powerlines Corporation	SW
Festival Hydro Incorporated	SW
London Hydro Incorporated	SW
Alectra Utilities Corporation	C
Grimsby Power Incorporated	SE
Newmarket-Tay Power Distribution Limited	C
Niagara Peninsula Energy Incorporated	SE
Niagara-on-the-Lake Hydro Incorporated	SE
Oshawa PUC Networks Incorporated	C
Welland Hydro Electric System Corporation	SE
Westario Power Incorporated	SW
Enova Power Corporation	SW
Burlington Hydro Incorporated	SE
Elexicon Energy Incorporated	C
ENWIN Utilities Limited	SW
GrandBridge Energy Inc	SE
Halton Hills Hydro Incorporated	C
Hydro One Networks Incorporated	C
Milton Hydro Distribution Incorporated	C
Oakville Hydro Electricity Distribution Incorporated	C
Tillsonburg Hydro Incorporated	SW
Toronto Hydro-Electric System Limited	C

May 1 to April 30

Group 2 (29 Distributors) - August 30

Atikokan Hydro Incorporated	N
Fort Frances Power Corporation	N
Greater Sudbury Hydro Incorporated	N
Hearst Power Distribution Company Limited	N
North Bay Hydro Distribution Limited	N
Northern Ontario Wires Incorporated	N
PUC Distribution Incorporated	N
Sioux Lookout Hydro Incorporated	N
Synergy North Corporation	N
Centre Wellington Hydro Ltd	LN
EPCOR Electricity Distribution Ontario Inc	LN
Hydro One Remote Communities Incorporated	N
Innpower Corporation	LN
Lakeland Power Distribution Limited	N
Orangeville Hydro Limited	LN
Wellington North Power Incorporated	LN
Algoma Power Incorporated	N
Hydro 2000 Incorporated	E
Hydro Hawkesbury Incorporated	E
Hydro Ottawa Limited	E
Kingston Hydro Corporation	E
Lakefront Utilities Incorporated	E
Ottawa River Power Corporation	E
Wasaga Distribution Incorporated	LN
Cooperative Hydro Embrun Incorporated	E
Canadian Niagara Power Incorporated (FortisOntario)	SE
Cornwall Street Railway Light and Power Company Limited (FortisOntario)	E
Renfrew Hydro Incorporated	E
Rideau St. Lawrence Distribution Incorporated	E

Group 1
- Period: Jan - Jan
- Due: May 31

Group 2
- Period: March - March
- Due: May 31

Group 3
- Period: May - May
- Due: July 31

EXAMPLE – Hybrid

January 1 to December 31	
Group 1 (24 Distributors) - May 31	
Bluewater Power Distribution Corporation	SW
E.L.K. Energy Incorporated	SW
Entegrus Powerlines Inc	SW
ERTH Power Corporation	SW
Essex Powerlines Corporation	SW
Festival Hydro Incorporated	SW
London Hydro Incorporated	SW
Alectra Utilities Corporation	C
Grimsby Power Incorporated	SE
Newmarket-Tay Power Distribution Limited	C
Niagara Peninsula Energy Incorporated	SE
Niagara-on-the-Lake Hydro Incorporated	SE
Oshawa PUC Networks Incorporated	C
Welland Hydro Electric System Corporation	SE
Westario Power Incorporated	SW
Enova Power Corporation	SW
Burlington Hydro Incorporated	SE
Elexicon Energy Incorporated	C
ENWIN Utilities Limited	SW
GrandBridge Energy Inc	SE
Halton Hills Hydro Incorporated	C
Milton Hydro Distribution Incorporated	C
Oakville Hydro Electricity Distribution Incorporated	C
Tillsonburg Hydro Incorporated	SW

May 1 to April 30	
Group 2 (31 Distributors) - August 30	
Atikokan Hydro Incorporated	N
Fort Frances Power Corporation	N
Greater Sudbury Hydro Incorporated	N
Hearst Power Distribution Company Limited	N
North Bay Hydro Distribution Limited	N
Northern Ontario Wires Incorporated	N
PUC Distribution Incorporated	N
Sioux Lookout Hydro Incorporated	N
Synergy North Corporation	N
Centre Wellington Hydro Ltd	LN
EPCOR Electricity Distribution Ontario Inc	LN
Hydro One Networks Incorporated	**C**
Hydro One Remote Communities Incorporated	N
Innpower Corporation	LN
Lakeland Power Distribution Limited	N
Orangeville Hydro Limited	LN
Toronto Hydro-Electric System Limited	**C**
Wellington North Power Incorporated	LN
Algoma Power Incorporated	N
Hydro 2000 Incorporated	E
Hydro Hawkesbury Incorporated	E
Hydro Ottawa Limited	E
Kingston Hydro Corporation	E
Lakefront Utilities Incorporated	E
Ottawa River Power Corporation	E
Wasaga Distribution Incorporated	LN
Cooperative Hydro Embrun Incorporated	E
Canadian Niagara Power Incorporated (FortisOntario)	SE
Cornwall Street Railway Light and Power Company Limited (FortisOntario)	E
Renfrew Hydro Incorporated	E
Rideau St. Lawrence Distribution Incorporated	E

Group 1
- Period: Jan - Jan
- Due: May 31

Group 2
- Period: March - March
- Due: May 31

Group 3
- Period: May - May
- Due: July 31

Electrical Safety Authority

Disconnect Switch (Bulletin 84-1-*)

Patrick Falzon

Update

February 24, 2026

Disconnecting means OESC Bulletin- update

- Bulletin will be revised to location of the disconnecting means meets the requirements of the supply authority
- Additional cost to the consumer when crews are not necessarily using the disconnect switch as there maybe potential failure as they don’t know the maintenance of the switch

Disconnecting means OESC Bulletin- update

Location for supply authority disconnecting means: Rule 84-022 requires disconnecting means to be provided to disconnect simultaneously all electrical power production sources from the supply authority system. As per Rule 84-024, the disconnecting means is required to be **readily accessible** for the supply authority's quick operation for all types of interconnected power production sources in all buildings (residential, commercial, industrial, etc.). Therefore, the location of the supply authority's disconnecting means is to meet the requirements of the supply authority (see note 1).

Note 1: The designer/installer shall consult with the supply authority in advance to determine their preferred disconnecting means location.

> Appendix B note for Rule 84-022 states the disconnecting means is intended to allow the supply authority a single point of access to isolate one or more electric power production sources such as the main service box or equivalent.

Visible isolation may be required for some installations as per the supply authority. Installers are required to comply with the supply authority requirements for disconnecting means.

Disconnecting means OESC Bulletin- update

- Recommendation:
  - Distributors should provide their requirements in their Conditions of Service such as
    - location of the disconnecting means;
    - Is visible isolation

Electrical Safety Authority

Roadway Lighting Systems (Bulletin 30-13-*)

Patrick Falzon
Information
February 24, 2026

Roadway Lighting Systems

Issue

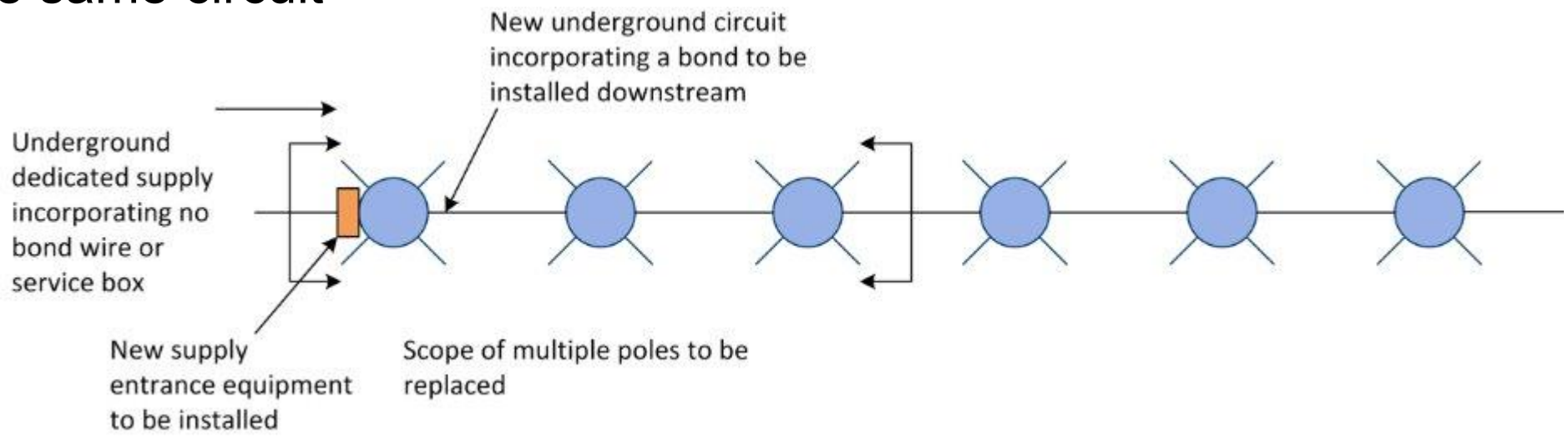
- Legacy underground wiring may not be compliant with the OESC.
  - No bond conductor
  - No service entrance equipment
- Municipalities are replacing multiple poles supporting roadway lighting systems as part of a pole replacement program
  - Not considering replacing the underground wiring at the same time

Roadway Lighting Systems

- Effective January 1, 2027, direction to include:
  - When replacing a minimum of 3 or 50% of the roadway lighting poles that are interconnected as part of the same circuit:
    - New wiring between poles incorporating a bond conductor will be required
    - Installation service entrance equipment
    - Bond conductor connected to the non-current carrying metal parts of the installation
- Does not apply to replacing single pole due to a motor vehicle accident

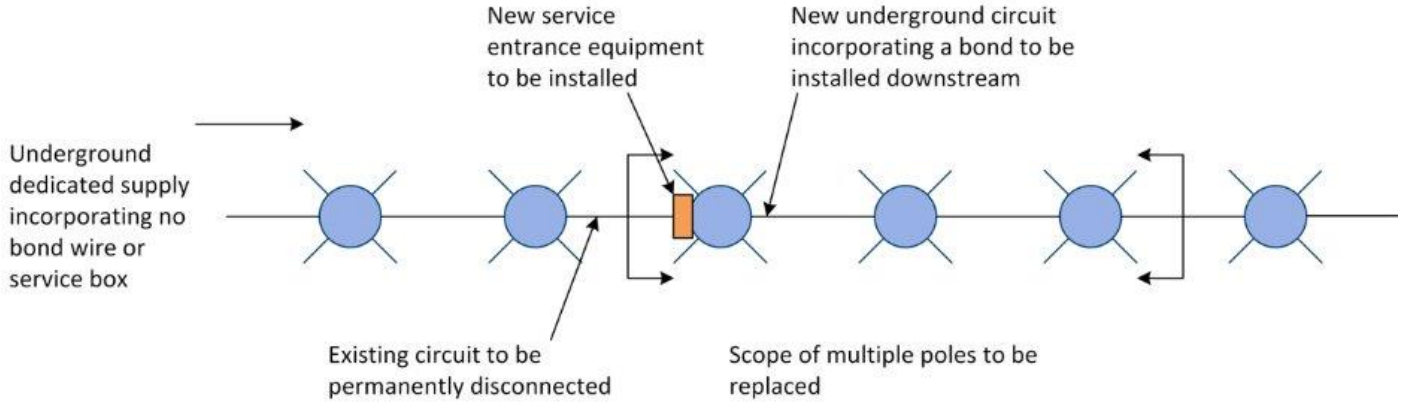
Roadway Lighting Systems

- **Scenario 1: replacing 3 or 50% of poles from beginning of circuit**
  - Service entrance equipment to be installed at first pole
  - Install new wiring between poles that are being replaced with bond conductor
  - Replace all wiring to other poles that are not being replaced that are part of the same circuit



Roadway Lighting Systems

- **Scenario 2: replacing 3 or 50% of poles that are not at the beginning of circuit**
  - Service entrance equipment to be installed at the new pole location
  - Install new wiring between poles that are being replaced with bond conductor
  - Replace all wiring to other poles that are not being replaced that are part of the same circuit
  - Existing circuit to new first pole to be disconnected



Electrical Safety Authority

DER Threshold for Plan Review Submissions

February 24, 2026

Recent OEB changes

- OEB issued proposed amendments in October 2025
- Enforcement date May 1, 2026
- Includes increase to the maximum nameplate capacity for a micro-embedded generation facility to 12kW
  - Micro-embedded generation applications expedited and simple
  - Removes need to derate when between 10-12 kW

10 kW Threshold history

- 10 kW threshold first appeared OAs 2007 – Rule 2-010 (1)(d)

  (d) Any installations involving consumer owned electric power generating equipment, with a rating in excess of 10 kW (Micro Size) as defined by the OEB, and operating in parallel with a supply authority system;
- Reflected Green Energy Act microFIT and FIT programs
- Until current OESC, rule unchanged other than installation type:
  - OESC 2018
    - added ESS
  - OESC 2024
    - within scope of Section 64 and bi-dir EVSE;
    - removed “in parallel”; and
    - removed reference to OEB

Plan Review 10 kW threshold

- ESA receiving questions if this means submission threshold changes as well
- ESA discussing
- Items for consideration
  - Not tied to OEB
  - Review supports Inspectors, identifies issues early, smoother installation
  - Same issues exist at 10 kW as 12 kW
  - Current PR comments vs defects
  - Benefit of alignment of both ratings

Electrical Safety Authority

Questions – Comments?

Electrical Safety Authority

Meter Base Plug-In Transfer Device

Meter Base Plug-In Transfer Device

- This presentation is created to clarify the process that Local Distribution Companies must follow when re-connecting power after the installation of consumer-owned Meter Base Plug-in Transfer Device in order to avoid Compliance Review Letter issued by ESA. Electrical Distributors shall inform their Operations staff on the requirement for consumer-owned Meter Base Plug-In Transfer Devices
- There are misrepresentations in the LDC industry how this connection should be handled with regards to who is permitted to perform the installation of this transfer switch device and how this re-connection process should be handled by LDC's.

Meter Base Plug-In Transfer Device

- Meter Base Plug-In Transfer Device can be installed and used if approved by the Electrical Distributor (Ontario Regulation 22/04) similarly applied for the meter bases.
- Similar to transfer switches, Meter Base Plug-In Transfer Devices enable to safely connect standby power to homes in the event of a temporary grid power outage. They plug directly into a consumer's meter base
- Installation of this transfer switch falls under the requirements of the OESC (installation is not permitted to be installed by the Electrical Distributor unless they meet the contractor licensing requirements (Ontario Reg. 570/05). Electrical Distributor with an electrical contractor's licence can work under another LEC's notification, but cannot work under a homeowner's notification.
- In the absence of meeting this requirement, the Electrical Distributor will be non-compliant with the OESC with respect to connecting without authorization, Ontario Reg 570/05 and the Electricity Act if they perform such work, and accordingly, enforcement orders may be applied against the Electrical Distributor.

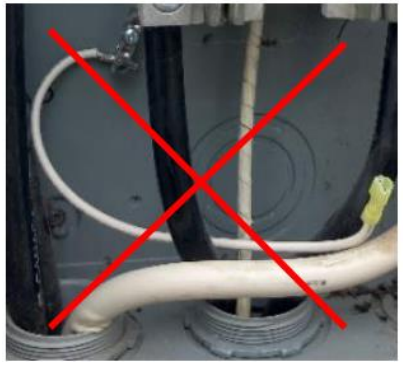
Meter Base Plug-In Transfer Device

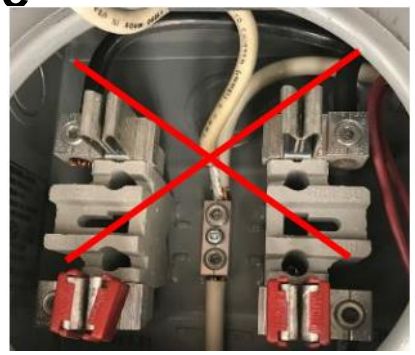
Neutral connection to the neutral wire

- The meter base plug-in transfer device requires a neutral connection to the neutral wire within the meter base. These devices shall not be installed where a Neutral is not present in meter mounting device such as TEE service.
- It is not permitted to connect the neutral wire from the meter base plug-in transfer device to the ground terminal in the meter base or multiple wires under the meter base neutral terminal
- Installation methods to the neutral (OESC acceptable) wire can include crimped, split bolt, insulation piercing or separate neutral connector

Meter Base Plug-In Transfer Device

Neutral connection to the neutral wire





Meter Base Plug-In Transfer Device

OESC excerpt to Appendix B Rule 2-005 f):

Some supply authorities do not permit the installation of a meter base plug-in transfer device or require a connection authorization. Therefore, it is the responsibility of the LEC (licensed electrical contractor) to ensure the supply authority permits the use of meter base plug-in transfer devices and to verify if a notification needs to be filed for the purpose of connection authorization for the installation of these devices.

Meter Base Plug-In Transfer Device

Scenarios

If Meter Base Plug-In Transfer Device is installed by the homeowner, *Notification of Work* and *Connection Authorization (ESA inspection) are* required.

If Meter Base Plug-In Transfer Device is installed by the LEC, *Notification of Work* and *Connection Authorization are not* required as per OESC Rule 2-005 f) & 2-013 (unless required by the LDC).

Note: Notification for connecting the stand-by generator to the transfer switch is required

Meter Base Plug-In Transfer Device

Resources:

- ESA Bulletin DB-04-17-v3 DB-04-17-v3.pdf
- Ontario Electrical Safety Code
- ESA Engineering and Regulatory Compliance Dept
  utility.regulations@electricalsafety.on.ca

Questions?

Electrical Safety Authority

Electrical Safety Authority

Thank you !