



**MINUTES OF THE  
THIRD ELECTRICAL SUB-COUNCIL MEETING OF 2023**

**DATE:** June 26, 2023

**TIME:** 9:32 a.m. to 11:37 a.m.

**LOCATION:** Videoconference

**PRESENT:** *Sub-Council Members*  
Gerry Wiles, Chair  
Scott Basinger, Vice Chair North  
Brad Dougherty  
Patrick Conway  
Bert DeBruin  
Hussein Desouki  
Tim Driscoll  
Adam Ghani, Vice Chair South  
Glenn Hedderick  
Ken Hood  
Nicolas Leblanc  
Lori Monaghan  
Clark Redden  
Barry Voogd  
Ed Knaggs

*Safety Codes Council*  
Allison Karch, Erik Salés

*Alberta Municipal Affairs*  
Kevin Glubrecht, Cameron Doram

**REGRETS:** Gerry Doan

**GUESTS:** Michael Chledowski, Leduc County

**RECORDER:** Erik Salés

**2023 MEETINGS:** October 16

## 1. Meeting Opening

The Chair called the meeting to order at 9:32 a.m. A round table introduction was held and videoconference functionality was reviewed, and members were reminded that their primary duty is to act in the interest of safety in the built environment for the benefit of all Albertans.

### 1.1 Agenda Adoption

**Glenn Hedderick / Ken Hood moved that the agenda be adopted, as circulated; CARRIED**

### 1.2 Adoption of the April 24, 2023, Minutes

**Glenn Hedderick / Hussein Desouki moved to adopt the minutes of the April 24, 2023, meeting, as circulated; CARRIED**

## 2. Matters for Decision

### 2.1. Closed Session

#### 2.1.1. Reappointment of Barry Voogd to represent Electrical for Residential Construction

**Ken Hood / Hussein Desouki moved to recommend to the Board reappointment of Barry Voogd to the Electrical Sub-Council to represent Electrical for Residential Construction for a term ending January 31, 2027, effective February 1, 2024; CARRIED**

#### 2.1.2. Nomination of Paul Pedersen and Gregory Briggs to represent Electrical Manufacturers

**Ken Hood / Tim Driscoll moved to recommend to the Board appointment of Gregory Briggs to the Electrical Sub-Council to represent Electrical Manufacturers for a term ending January 31, 2027, effective February 1, 2024; CARRIED**

## 3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	CE Code-072 Concrete Encasements	Consider drafting a Proposed Change to CE Code Part 1 <b>UPDATE:</b> Submittal completed. Item will be kept open for updates on the proposal from CSA. Currently under review by CSA. Tracking ID: C22.1.21 004	Feb. 6/17	Basinger	Still with CSA; no update.
2.	Colour Coding Code Change Request	Bring updates from CSA on progress of request.	Dec 5/22	Ghani	Code change request was not approved for the 2024 code but the Section 4 subcommittee

					retained this item. CSA ballot info seems to show a conflicting interpretation of how OBY is being used. Adam Ghani, Bert DeBruin, Gerry Doan, and Ken Hood will review the ballot info to determine any potential next steps.
3.	Rule 26-602 re. New Installations with Second Dwellings	The code does not stipulate where the electrical panel has to be located. The proponent sent a code change request to CSA. Tracking ID: CSA 22.1.21:013	Feb 6/23	Chledowski	The proponent sent a code change request to CSA. Still with CSA; no update.

**4. Matters for Discussion**

**4.1. Temporary Generators Connected to Cell Towers**

Michael Chledowski of Leduc County reported instances of temporary generators being connected to cell towers improperly, such as with the neutral bonding strap removed, which can create risks for utility workers and equipment. There may be a lack of awareness among telecommunications companies that this is an electrical connection that requires a permit, and that the certified generators must be connected and used as per the manufacturer's instructions and cannot be modified. Since the code and regulatory requirements are clear, it was suggested that this is best managed as an awareness issue.

A past Section 10 STANDATA containing diagrams of connections to portable generators was referenced. It was suggested that the diagrams were removed because they may be interpreted as prescriptive rather than examples. Michael Chledowski will investigate the reasons for the removal of these diagrams.

**4.2. Enforcement Consensus re Rule 8-200**

The application of Rule 8-200 regarding electric water heaters, in particular hot tubs, was raised for awareness. The Administrator will be bringing this topic to the next EIAA meeting. It was reported that EIAA members are planning to make a submission to CSA to clarify this rule.

**4.3. Request for Clarification re. Rule # 2-104 & 2-024**

The request was reviewed, and consensus was reached that 2-024 applies in the scenario in the request. It was noted that manufacturers' instructions must be followed, which would state that the equipment must be connected to the intended voltage. Many electrical appliances come in different voltage levels and the correct voltage level should be chosen for a given situation.

**4.4. Multiple Energy Management Systems on One Service**

Instances of multiple energy management systems on one service in townhouses were reported it and it was asked whether this is being seen in other jurisdictions. It was reported that this is occurring in other municipalities and some are allowing it as long as all rules are followed.

**4.5. Working Group Reports**

#### 4.5.1. Non-metallic Outer Jacket Cables

This topic is expected to be addressed in 2024 CE Code; the working group will remain until the code content is known. It was asked whether there is need for a STANDATA in the meantime; this will be considered for the next meeting.

#### 4.5.2. Energy Storage Systems

The province-wide variance STANDATA regarding Rule 64-900 and locations of installation of energy storage systems was published in April and will be updated if any changes occur in subsequent Memoranda of Revisions from CSA.

##### 4.5.2.1. Battery Types

It was noted that some of the hazards being addressed by the code and STANDATA, such as thermal runaway, are not a significant concern with lead acid batteries. Information about battery types was shared in the portal.

#### 4.6. Liaison Reports

##### 4.3.1. Building

BSC met in May and there were no items of interest to the electrical discipline.

##### 4.3.2. Electrical Utilities

EUSC met in June. The only topic of interest to ESC was regarding temporary generators connected to cell towers (see item 4.1.).

#### 4.4. Administrator/AMA Report

A written report was included in the portal and the Administrator reported on the following:

- In addition to the Administrator, Cameron Doram will attend ESC meetings and Gregg Marshall will attend EUSC meetings on behalf of Municipal Affairs as electrical technical advisors.
- A STANDATA regarding decorative lighting is not being pursued because the code requirements regarding them are clear.
- Completed STANDATA:
  - Notice of AEUC 2022 edition in-force date of September 1, 2023, as per automatic code adoption.
  - Energy storage systems (ESS) STANDATA variance: [21-ECV-064-900-ESS : 2021 Canadian Electrical Code Part I Section 64](#)
  - [LEG-PR-g2 \[rev-3\] - General : permit regulation, communication systems and travelling carnival, entertainment and show facilities](#)
- STANDATA in process/being updated:
  - LEG-PR-g2 [rev-3] [ELECTRICAL SAFETY \(alberta.ca\)](#), is being updated to fix broken links.
  - 2022 year end statistics report is being updated to reflect 2022 fiscal year.
  - [ELECTRICAL SAFETY \(alberta.ca\)](#) 16-AEUCI-2\_ updating to reflect September 1, 2023 AEUC adoption.
  - AEUC 6<sup>th</sup> edition errata.
- Upcoming meetings in the electrical discipline.
- Reminder of Demarcation STANDATA <https://open.alberta.ca/publications/standata-electrical-safety-variance-aeuc>

- EIAA webinar on understanding section 24 of the CE Code and CSA Z 32 requirements by Ark Tsisserev.

#### **4.5. Council Updates**

Updates were provided on the following:

- The [Safety Codes Council Summit](#), an educational conference aimed at safety codes officers and other stakeholders in the safety codes system, will be held October 18-20, 2023, in Red Deer.

### **5. Meeting Finalization**

#### **5.1. Round Table**

- A change is expected in the 2024 CE Code that will require 1.2 m clearance between air heaters and electrical receptacles.
- CSA CE Code Standard #9 is open for updates; Ed Knaggs will bring updates at future meetings.

#### **5.2. Next Meeting**

The next meeting was reconfirmed for October 16, 2023, at 9:30 a.m.

#### **5.3. Meeting Adjournment**

The meeting was adjourned at 11:37 a.m.

**– MOTIONS –**

**1.1 Agenda Adoption**

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**– WORKING GROUP MEMBER LISTS –**

<b>WORKING GROUP</b>	<b>WORKING GROUP MEMBERS (<u>Chair</u>)</b>
Non-metallic outer jacket cables re. gap in CE Code Rule 12-500	<b><u>Bert de Bruin</u></b> Ken Hood, Gerry Doan, Adam Ghani
Energy Storage	<b><u>Ed Knaggs</u></b> Gerry Doan, Nicolas Leblanc Municipal Affairs support: Cameron Doram