



Safety Codes Council

MINUTES OF THE FIRST ELECTRICAL SUB-COUNCIL MEETING OF 2020

- DATE:** January 13, 2020
- TIME:** 9:36 a.m. to 11:50 a.m.
- LOCATION:** Safety Codes Council Office, Edmonton
- PRESENT:** *Sub-Council Members*
Gerry Wiles, Chair
Scott Basinger, Vice Chair – North
John Briegel (arrived at 9:50 a.m.)
Patrick Conway
Hussein Desouki (arrived at 9:42 a.m.)
Tim Driscoll
Adam Ghani
Todd Grayson
Glenn Hedderick, Vice Chair – South
Ken Hood - teleconference
Nicolas Leblanc
Tyler Masson
Lori Monaghan (arrived at 9:45 a.m.)
Brian Townsend
Barry Voogd
- Safety Codes Council*
Allison Karch, Kathryn Derkach
- Alberta Municipal Affairs*
Bob Hall
- REGRETS:** Bert DeBruin, Don Bradshaw
- GUESTS:** Boyd Carlson, EPCOR; Gerry Doan, AACA; Ken Forbes, EIAA
- RECORDER:** Kathryn Derkach
- 2020 MEETINGS:** March 9, May 4, September 28, November 16

1. Meeting Opening

The Chair called the meeting to order at 9:36 a.m. A round table introduction was held and a safety moment was provided.

1.1 Agenda Adoption

The following was added to the agenda:

- 2.1.2 Joint STANDATA for Distilleries

Scott Basinger / Patrick Conway moved that the agenda be adopted, as amended; CARRIED

1.2 Adoption of November 25, 2019 Minutes

The minutes were reviewed and the following corrections were made:

- On pages 11 and 14, Barry Voogd's last name was misspelt

Scott Basinger / Adam Ghani moved to adopt the minutes of the November 18, 2019 meeting, as corrected; CARRIED

2. Matters for Decision

2.1. Skills Matrix

The redline skills matrix document included in the portal was reviewed and changes were discussed.

The Council will post the final document in the portal.

[Council Administration]

2.2 Joint STANDATA for Distilleries

Vice Chair Scott Basinger chaired this section of the meeting

The final report and recommendation from the Breweries and Distilleries Working Group was included in the portal. The working group would like confirmation from the ESC on the inclusion of the electrical requirements in the proposed STANDATA.

Changes to the electrical code requirements submitted for inclusion in the STANDATA included:

- Even though the STANDATA may not be specific to brewing, it was thought that including a note to Section 22 Appendix B, which references brewing, would add further clarification.
- Remove reference to Section 20 because Section 18 covers the Hazardous Location requirements.

The final summary of electrical code requirements for inclusion in the STANDATA, as revised by the sub-council, is:

Electrical Code Requirements

The 2018 CE Code was amended from the 2015 version to require that hazardous area classification is completed by qualified persons as per Rule 18-004 of the 2018 CE Code, in Alberta this is to mean a registered engineering professional. Alberta Municipal Affairs has provided an interpretation on Rule 18-004 which can be found [here](#).

The requirements for electrical wiring are not stated in the building code; these requirements come from the Canadian Electrical Code (CE Code). The distillation of alcohol may produce an explosion hazard which can be prevented by installing hazardous location equipment and wiring methods. Hazardous location equipment and wiring is covered by Section 18 of the CE Code and other applicable sections as required.

NOTE: “micro” brewing operations do not present the same level of risk or challenges as distilling, but there are requirements for breweries under CE Code Section 22.

Glenn Hedderick / Adam Ghani moved to support the inclusion of the electrical discipline in the proposed STANDATA as per the Electrical Code Requirements summary developed by the Electrical Sub-Council; 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 UPDATE: The working group is still working on a proposed change for the next code cycle (2024). This will be brought to the sub-council at a future meeting.	Feb 6/17	CE Code Working Group	In progress, the working group will bring a proposal to the next ESC meeting.
2.	Working Group Reports	The Chair requested that each working group chair prepare a report for the upcoming EIAA Technical Conference being held on January 31 and February 1, 2020 and provide the draft to the Council for review.	Nov 25/19	Working Group Chairs	Working Group Chairs were reminded to send their reports to Council staff prior to January 31.

4. Matters for Discussion

4.1. Multi Family Unit Site Bonding Concerns

Boyd Carlson from EPCOR presented his concerns with multi family unit site bonding:

- There are issues getting a resistance reading on the ground grid around the transformers.
- There is conflict between CE Code part 1 and 3 for bonding.
- Jumper wires are found between the neutral conductors and the frame of distribution.
- It’s been found that sometimes #6 AWG conductors are in contact with each other coming up to the ground and neutral lugs.
- There is no gradient around the 400 amp pads, causing a safety issue if there was a fault current.
- This issue seems to be specific to pedestals.

After discussion it was determined that, while this situation is found in the City of Edmonton and the City of Medicine Hat, it is not a widespread issue among municipalities across the province. It was decided through consensus that the affected municipalities will meet with the proponent to discuss the issue further. Gerry Wiles will organize a meeting with these organizations.
[Wiles]

An update will be provided following this meeting. [Wiles]

4.2. Working Group Reports

4.2.1. AEUC

There has been no meeting since the last ESC meeting. It was noted that Terry Edmunds is no longer on the working group and will be removed from the list.

4.2.2. CE Code

There has been no meeting since the last ESC meeting. The group continues to work on concrete encasement and will bring forward a proposal at the next ESC meeting.

4.2.3. Hazardous Locations

There has been no meeting since the last ESC meeting.

4.2.4. Master Electrician

There has been no meeting since the last ESC meeting.

4.3. Administrator/AMA Report

The Technical Advisor reported:

- The Public Safety Division at Municipal Affairs has changed its name to Technical and Corporate Services.
- New STANDATAs have been posted
 - CECB-0-Section 0: object, scope and definitions
 - 18-CECB-2-Section 2: general rules: administrative
 - 18-CECB-18-Section 18: hazardous location
 - 18-CECV-64-216 Arc-fault protection requirements for ground-mounted solar photovoltaic systems
 - 18-CECV-10-102 Rule 10-102 ground electrodes (number of rods)
 - 18-CECV-64-218 Rule 64-218 photovoltaic rapid shutdown
 - 18-CECI-86-Section 86: electric vehicle charging systems

4.4. Council Updates

A written report was included in the portal and updates were provided on:

- The process for 'in-camera sessions' and clarification that any motions made during those sessions must be made out of camera and recorded in the minutes.
- Allison will be on maternity leave starting in March. Please remember to include Kathryn on all emails going forward.
- There are number of member training sessions coming up, please contact Gerry to register:
 - New Member Orientation – March 5
 - Effective Meetings Workshop – March 23

- Appeals Training – March 24
- Registration for Conference 2020 will open for sub-council members in February. Please be sure to register before the end of February to guarantee a room at the Rimrock. Any registrations after that may be at a different hotel.
- Reminder to submit any outstanding 2019 expense claims.

5. Meeting Finalization

5.1. Round Table

- The liaison to BSC reported there has not been a BSC meeting since the last ESC meeting.
- Award nominations for Dr. Sauer, Certification and Accreditation will open in February. It was discussed that a former member will be nominated for the Dr. Sauer and the Certification Award. [Leblanc]
- There was discussion about the 1 metre working space around electrical equipment and bolted covers verses hinged panels.
- It was suggested that APEGA could present to the ESC about authentication process. The APEGA representative will discuss with APEGA before the next meeting to arrange. [Desouki]
- A follow up to the motion made last meeting regarding the QMP and ASCA Service Reference Manual was requested. Members of the ESC reported that initial conversations and feedback has been positive. Council staff will follow up and provide an update for the next meeting. [Council Administration]

5.2. Next Meeting

The next meeting was reconfirmed for March 9, 2020 at the Council office at 9:30 a.m.

5.3. Meeting Adjournment

The meeting was adjourned at 11:50 a.m.

-- NEW ACTION ITEMS --

2.1. Skills Matrix

The Council will post the final document in the portal. [Council Administration]

4.1. Multi Family Unit Site Bonding Concerns

After discussion it was determined that, while this situation is found in the City of Edmonton and the City of Medicine Hat, it is not a widespread issue among municipalities across the province. It was decided through consensus that the affected municipalities will meet with the proponent to discuss the issue further. Gerry Wiles will organize a meeting with these organizations. [Wiles]

An update will be provided following this meeting. [Wiles]

5.1. Round Table

Award nominations for Dr. Sauer, Certification and Accreditation will open in February. It was discussed that a former member will be nominated for the Dr. Sauer and the Certification Award. [Leblanc]

It was suggested that APEGA could present to the ESC about authentication process. Hussein will discuss with APEGA before the next meeting to arrange. [Desouki]

A follow up to the motion made last meeting regarding the QMP and ASCA Service Reference Manual was requested. Members of the ESC reported that initial conversations and feedback has been positive. Council staff will follow up and provide an update for the next meeting. [Council Administration]

-- MOTIONS --

1.1 Agenda Adoption

Scott Basinger / Patrick Conway moved that the agenda be adopted, as amended; CARRIED

1.2 Adoption of November 18, 2019 Minutes

Scott Basinger / Adam Ghani moved to adopt the minutes of the November 18, 2019 meeting, as corrected; CARRIED

2.2 Joint STANDATA for Distilleries

Glenn Hedderick / Adam Ghani moved to support the inclusion of the electrical discipline in the proposed STANDATA as per the Electrical Code Requirements summary developed by the Electrical Sub-Council; CARRIED.