



**MINUTES OF THE  
FOURTH GAS SUB-COUNCIL MEETING OF 2022**

**DATE:** December 1, 2022

**TIME:** 9:00 a.m. to 11:40 a.m.

**LOCATION:** Videoconference

**PRESENT:** **Sub-Council Members**  
Mark Guderjan, Chair  
Ron Beaudette  
Cody Christman  
Kris Topp (arrived at 10:10 a.m.)  
Jason Helfrich  
Darcy Toner  
Curtis Bellows  
James Maddocks  
Tim Dykes  
Larry Miller  
Randy Saunders  
Leigh Adams  
Dale Walls  
Cory Huppe

**Safety Codes Council**  
Allison Karch, Kathryn Derkach

**Alberta Municipal Affairs**  
Sidney Manning, Claude Valliere

**REGRETS:** Roy Herrington, Tran Mah-Paulson, Aaron Blake

**RECORDER:** Kathryn Derkach

**2023 MEETINGS:** March 23, June 1

## 1. Meeting Opening

The Chair called the meeting to order at 9:00 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

**Tim Dykes / Leigh Adams moved that the agenda be adopted, as circulated; CARRIED**

### 1.2 Adoption of the September 29, 2022 Minutes

**Larry Miller / Cody Christman moved to adopt the minutes of the September 29, 2022 meeting, as circulated; CARRIED**

## 2. Matters for Decision

### 2.1. Draft Flow Chart for Fuel Gas Pressure Piping in Plants

Further to the discussion at the last GSC meeting, the draft flow chart was placed in the STANDATA prior to Municipal Affairs' internal review. It is intended that this STANDATA will be issued as joint with the Pressure Equipment discipline.

It was noted that ACCA had no issues around the flow chart, but there still may be room for improvement in the wording of the STANDATA. The Administrator noted that there is still time to make changes throughout the review process before this is issued.

**Randy Saunders / Dale Walls moved to support the issuance of the Fuel Gas Pressure Piping in Plants STANDATA 20-GCB-014[Rev4]; CARRIED**

### 2.2. Closed Session

**James Maddocks / Larry Miller moved to enter into closed session; CARRIED  
Dale Walls / Curtis Bellows moved to exit closed session; CARRIED**

#### 2.1.1. Nomination of Muhammed Ishaq and Garnet Schommer to represent Accredited Corporations

**Jason Helfrich / Ron Beaudette moved to recommend to the Board appointment of Muhammed Ishaq to the Gas Sub-Council to represent Accredited Corporations for a term ending January 31, 2026, effective February 1, 2023; CARRIED**

## 3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	BNQ 1784.000 Canadian Hydrogen Installation Code	BNQ 1784.000 CHIC recommended for adoption by GSC on Nov 15/18; AMA to provide updates on adoption as available.	Nov 15/18	AMA	Recommendation letter sent (see item 3.1. in portal).

					The proposed adoption has been deferred due to change in leadership.
2.	CSA B149.6	GSC motion to support adoption of CSA B149.6 was made April 23, 2020. AMA will provide updates on adoption as available.	Apr 23/20	AMA	Ongoing.
3.	Cylinders Below Grade at Construction Sites	Motion made Oct 7/21 to forward the code change request to CSA B149.2 Committee; seeking updates from Mark Guderjan or Administrator.	Feb 12/20	Guderjan	Mark Guderjan will adjust presentation based on feedback and deliver again to CSA.
4.	Single Family Dwelling Definition	Council staff will circulate the proposed definition to other sub-councils for a proposed agenda discussion item.	Feb 3/22	Council Admin/ Herrington	Addressed under item 4.2.5. Closed; remove from list.
5.	Draft Flow Chart for Fuel Gas Pressure Piping in Plants	Members were asked to review and provide feedback on how helpful this document is.	Feb 3/22	All	No additional comments from members received; addressed under item 2.1. Closed, remove from list.
6.	19-BCV-019 Interior Stairways for Roof Access to HVAC Equipment	Provide updates on the recommendation that the Building Administrator include information regarding access to appliances from CSA B149.1 in the 19-BCV-019 Interior Stairways for Roof Access to HVAC Equipment STANDATA	May 26, 2022	Karch	Addressed under item 4.1.

**4. Matters for Discussion**

**4.1. 19-BCV-019 Interior Stairways for Roof Access to HVAC Equipment**

There is confusion in industry around interior stairways for roof access. Initially it was suggested that the paramouncy clause in the Gas Code Regulation would take effect in this situation. However, because the item in question is not addressed by both the building and gas codes, the paramouncy clause does not apply. The Building Administrator is reviewing options for a code change request to the National Building Code to incorporate the roof access provisions that are in CSA B149.1. The Gas Administrator recommends the sub-council put this issue on hold, pending direction from the Building Administrator.

**4.2. Working Group Reports**

It was noted that Municipal Affairs has updated 3 column documents for all working groups. CSA B149.1/.2/.3 all have new documents for working groups to review. CSA B149.5/.6, B108 and B109 are on different cycles and being monitored by Municipal Affairs. Documents will be developed as information becomes available.

#### **4.2.1. CSA B149.1 / BNQ 1784 Canadian Hydrogen Installation Code**

The working group was reminded of their task to review the changes between the 2007 and 2022 editions of the Canadian Hydrogen Installation Code to assist the sub-council in developing a position on adoption of the 2022 code. Municipal Affairs has created 3 column documents to assist the working group in reviewing changes. As this code has never been adopted in Alberta and the hydrogen industry is new, the working group may require outside expertise and should inform Council staff if additional resources are required.

Council staff will help arrange a working group meeting in order for a recommendation to be brought forward to the next GSC meeting. [Council Administration]

#### **4.2.2. CSA B149.2 / CSA B108.1 & CSA B108.2**

The following was discussed:

- A federal committee meeting was held for CSA B149.2 with six requests for change being reviewed and two of those being adopted.
- DME (Dimethyl Ether) is a topic of discussion with activity at the world LPG level.

#### **4.2.3. CSA B149.3 / CSA B149.6**

CSA B149.3 met in October with no further updates.

#### **4.2.4. CSA B149.5 / CSA B109.1 & CSA B109.2**

No update.

#### **4.2.5. Single Family Residential Dwelling Definition**

The working group's last meeting involved representatives from BSC, PSC, ESC and GSC with feedback being brought forward from each discipline. No specific issues have been identified other than differing approaches across municipalities. While it has been recognized that inconsistencies can be an issue, there is the ability for each municipality to make a determination for their jurisdiction. Therefore, this topic is considered closed by the working group. However, this topic could be addressed in the future if needed and members were encouraged to bring forward any issues occurring in the gas discipline in their jurisdiction that arise from the interpretation and application of this term.

The action item will be closed, but the working group will be left open until the chair of the working group is in attendance.

### **4.3. AMOS Report**

No update.

### **4.4. Administrator/AMA Report**

A written report was included in the portal and The Administrator provided updates on the following:

- A meeting was held with the Federation of Gas Coops and there were no issues for recognizing installers.
- The Agricultural Gas Engine Variance has support in principle and will be moved forward through the STANDATA review process.
- The Shipping Container STANDATA has been previously discussed at the GSC and is moving forward through the review process with minimal gas discipline significance.
- A working group has been created with PTAC and NPSAC to review the gas fitter reconciliation agreement. The agreement creates an expectation across the country that gas fitters from other jurisdictions would be accepted. A further update is expected in the spring.
- The Canadian Propane Association (CPA) has reached out to the PTAC and NPSAC working group with challenges between provinces with when a permit is required and concerns with potential duplication and unfair practices.
- There have been challenges with the hydrogen and natural gas blends with cross ministry groups reviewing these challenges. There is a hydrogen code but no reference standards, which makes it difficult to connect hydrogen to appliances. Currently, the cross ministry groups are utilizing international standards and harmonizing with other standards.
- CSA put out a whitepaper on the [use of hydrogen and natural gas mixtures in products certified for natural gas in Canada and the US](#). The document states that no amount of hydrogen can be blended with natural gas while maintaining requirements of the existing standards. This is causing major issues with various pilot programs across the country, including ATCO's Fort Saskatchewan pilot which has now been paused. CSA has stated that appliances certification will be voided if hydrogen is being used in any capacity.
- Members were shown how to subscribe to CSA to receive updates.

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

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

- The Council will be holding a holiday open house in December for members and other stakeholders; email invitations have been sent.
- The Council office will be closed from December 24-January 2 inclusive.
- The Council has recently issued a cyber security policy which will be sent out shortly to members.

### **5. Meeting Finalization**

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

- Cody Christman and Randy Saunders were thanked for their time and participation on the sub-council.

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

The next meeting was reconfirmed for March 23, 2023 at 9:00 a.m.

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

**Ron Beaudette / Kris Topp moved to adjourn the meeting; CARRIED**

The meeting was adjourned at 11:40 a.m.

– NEW ACTION ITEMS –

**4.2.1. CSA B149.1 / BNQ 1784 Canadian Hydrogen Installation Code**

Council staff will help arrange a working group meeting in order for a recommendation to be brought forward to the next GSC meeting. [Council Administration]

**– MOTIONS –**

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**– WORKING GROUP MEMBER LISTS –**

<b>WORKING GROUP</b>	<b>WORKING GROUP MEMBERS (<u>Chair</u>)</b>
CSA-B149.1 – Natural gas and propane installation code  BNQ 1784.000 Hydrogen Installations	<b><u>Dale Walls</u></b> Ron Beaudette, Curtis Bellows, Mark Guderjan, Tran Mah-Paulson, Larry Miller, Cody Christman, James Maddocks, Tim Dykes, Cory Huppe
CSA-B149.2 – Propane storage and handling code CSA-B108.1 - Compressed natural gas refuelling stations installation code CSA-B108.2 – Liquefied natural gas refuelling stations installation code	<b><u>Jason Helfrich</u></b> Ron Beaudette, Mike Turek, Cody Huppe, Larry Miller
CSA-B149.3 – Code for the field approval of fuel-related components on appliances and equipment CSA-B149.6 Biogas and Landfill Gas Code	<b><u>Dale Walls</u></b> Mark Guderjan, Roy Herrington, James Maddocks, Kris Topp, Justin Trupp
CSA-B149.5 – Installation code for propane fuel systems and tanks on highway vehicles CSA-B109.1 - Compressed natural gas vehicle installation code CSA-B109.2 – Liquefied natural gas vehicle installation code	<b><u>Jason Helfrich</u></b> Leigh Adams, Aaron Blake, Chris Sherbanuk, Tim Dykes
Single Family Dwelling <i>(Joint with ESC)</i>	GSC: <b><u>Roy Herrington</u></b> , Mark Guderjan, Larry Miller ESC: Bert DeBruin, Barry Voogd