

October 18, 2017

# Canadian Advisory Council on Energy Efficiency

Draft Notes – Afternoon Session

September 7, 2017

Ontario Investment Trade Centre (OITC) - 250 Yonge Street, 35th Floor, ON, Canada

## 1. Welcome and Introductions

CACEE Chair Debbie Scharf welcomed all participants attending this **Open meeting of CACEE, with members and Guests**, both in person and by WebEx/Teleconference. The Ontario Ministry of Energy was acknowledged and thanked for hosting the meetings at the OITC, along with their hospitality.

General safety and housekeeping information was provided to all participants.

A presentation, attached as **AS1**, guided the discussion.

A participant list is included as **AS2**.

### Review of meeting agenda – D. Scharf

The meeting agenda was reviewed and accepted as circulated.

## 2. Jurisdiction Update

Objective: Jurisdictions to provide a 5-minute update

- Regulating jurisdictions: Forward regulatory plans
- Non-Regulating jurisdictions: Innovative work related to in equipment energy efficiency (e.g. market transformation initiatives)
- Certification Bodies: Emerging trends in other collaborative sectors,
- SDO's
- Guests

The following information was captured during a roundtable of participants. Government participant feedback is captured by jurisdiction. All other input has been captured under general categories as noted;

### Government jurisdiction

NRCan – D. Scharf

- Amendment 14 (A14), and A15, with 10 new products is in process.
- NRCan continues to maintain commitment to the Regulatory Cooperation Council harmonization efforts between Canada and the US.
- A driver is the Pan-Canadian Framework on Clean Growth & Climate Change. Especially as it relates to the Buildings sector.  
<https://www.canada.ca/en/services/environment/weather/climatechange/pan-canadian-framework.html>
- Another driver is the Energy and Mines Ministers' Conference, (2017 EMMC) which was recently held <http://www.nrcan.gc.ca/publications/11102>. This continues to be a vehicle for FPT governments to work together.

British Columbia – N. Gosman

- Climate Leadership continues to be a chief driver for energy efficiency in the Province.

- A New Government is in place
- New Energy Efficiency Standards, in A6, are currently in a holding pattern.
- Government Briefings will take place shortly.

#### Manitoba – R. Bonam

- Legislation has being developed and passed for creation of a new Energy Efficiency Agency.

#### Ontario – S. Krsikapa

- On June 18, 2017, the Ministry of Energy posted on the Environmental Registry for a 45 day public review a proposal to amend O. Reg. 404/12 (Energy and Water Efficiency – Appliances and Products). The proposals included new test methods and/or efficiency requirements for five new products and updated efficiency requirements for 10 existing products. The ER posting closed on August 2.
- Key drivers for EE Standards;
  - Support Ontario’s energy conservation goals and GHG emissions reduction targets.
  - Support Ontario’s Climate Change Action Plan commitment to update efficiency standards for key equipment found in drinking water and waste water treatment plants.
  - Support provincial and federal commitments to improve efficiencies across Canada to enable transition to a low carbon economy and encourage market transformation for new high efficiency low carbon technologies.

#### Quebec - JP Gamache

- A new agency is in place. Conseiller en efficacité énergétique Transition énergétique Québec (TEQ)
- On August 30, 2017, the Cabinet issued Decree No. 875-2017 adopting the *Regulation respecting the energy efficiency of electrical or hydrocarbon-fuelled appliances*.
- The Regulation, which was published in the [Gazette officielle du Québec](#) (on September 13, 2017), came into force on the date of its publication.
- The amendments are limited to postponing, to January 1, 2019, the coming into force of requirements for the following categories of appliances:
  - External power supplies,
  - General service fluorescent lamps,
  - Washer-dryers,
  - Clothes dryers,
  - Televisions, and
  - Ceiling fans.
- A new amendment is being planned.

#### Nova Scotia – K. Daniels

- A driver is the Pan-Canadian Framework on Clean Growth & Climate Change and a low carbon economy.
- A trend towards electrification has been observed.
- Reviewing potential for future updates to Energy Efficiency Standards.

#### Yukon – K. Tyler

- A new government is in place.
- As there is no Energy Efficiency legislation in place, the focus has been on Energy Efficiency Policy and Programs. Some examples include, Renewable Energy, Energy retrofits, Biomass and Space heating.

#### Standards Council of Canada (SCC)– C. Guay

- Refer to attached presentation **AS3**, which provides an overview of the Canada-European Union Comprehensive Economic and Trade Agreement (CETA). <http://www.international.gc.ca/trade-commerce/trade-agreements-accords-commerciaux/agr-acc/ceta-aecg/index.aspx?lang=eng>
  - It was noted that the APEX (EU) or HAZLOC (CAN) areas are specific areas of interest for Canada in these negotiations.
  - SCC is planning on hosting information workshops in the October timeframe.
  - The Canadian Free Trade Agreement (CFTA) was signed on July 1.
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#### National Public safety Advisory Council (NPSAC) – D. Scriven

- The NPSAC was created in 2001 and is a national body working at the policy level to promote the common adoption and consistent administration of safety codes and standards for the following discipline areas:
  - elevating devices; passenger ropeways (i.e.: ski lifts);
  - amusement rides;
  - fuel (i.e.: oil, natural gas and propane);
  - boilers and pressure vessels; and
  - electrical safety
- Working closely with SCC, through SDO Advisory Council, to formalize relationships with Regulatory Authority Bodies, including CACES (Electrical Safety), and IGAC (Gas Safety).
- A Strategic Plan is pending.
- Pillars of NPSAC Strategic Plan to include;
  - Pathway to harmonization
  - Standards development trends
  - Creating efficiencies
  - Meeting needs of regulatory bodies.
- NPSAC is reaching out to other bodies, including CACEE, to identify opportunities for synergies.

#### SDO's

- North-South and East-West Harmonization is a key focus of stakeholders
- Working closely with all stakeholders, including the regulatory community.
- Increasing trend seen to consider systems vs. product efficiency, which includes integration of products.

#### CO's

- North-South and East-West Harmonization of Product requirements continues to be a key focus for customers and stakeholders.
- Actively monitoring EE regulations, which continues to be a challenge given the diversity between Federal and Provincial jurisdictions.

#### Guests

- North-South and East-West Harmonization of Product requirements is a key focus for stakeholders.
- Increasing trend seen to consider systems vs. product efficiency.

- The CGA has been participating in NRCan’s Local Energy Efficiency Partnerships (LEEP) program along with Natural Gas Innovation Fund (NGIF) which is a pre-commercial technologies initiative. Several energy efficiency projects are also underway.
- AHAM Canada, Electro Federation Canada, HRAI and CIPH memberships are supportive of RCC efforts by NRCan to align with US DOE. However, timely adoption is also key. Alignment of labelling, eg. EnerGuide stated efficiency, is an ongoing challenge. AHAM noted transition to next generation of refrigerants by Q4, 2017. “Halo” regulation expected. CIPH noted that concern exists with provincial codes concerning space heating equipment and the omission of boilers below 96% efficiency.

### 3. CACEE Terms of Reference

Objective: To ratify the Terms of Reference of the Canadian Advisory Committee on Energy Efficiency. It was noted that the CACEE Tor has been earlier circulation for comments to the CACEE membership.

**Action 1:** Debbie Scharf to work with Chantal Guay for a final review of the CACEE ToR before finalizing in light of recent revisions to other Advisory Council ToR’s and SCC Directives.

### 4. Alternate Efficiency Determination Method (AEDM)

Objective: To discuss the Amendment 14 proposal to allow certification bodies to use AEDM as an energy efficiency verification option to confirm compliance with the energy efficiency standard.

This topic was introduced at the last CACEE Open meeting of November 2016. Referencing presentation **AS1**, a round of discussion took place to identify any potential concerns with the use of Mathematical modelling proposed in A14. CO’s were requested to submit any potential comments directly to NRCan when the regulations are pre-published in Canada Gazette during the 75-day public comment period.

### 5. Energy Efficiency Verification and Electrical Safety Certification Mark

Objective: follow-up to the March consultation.

- Referencing Presentation **AS1**, a March stakeholder consultation was conducted by NRCan, with feedback as noted.

Conclusions:

- One combined mark for energy efficiency verification and electrical safety can be used, and is beneficial.
- NRCan strongly encourages certification bodies to use a common mark for products where real-estate an issue.

### 6. Market Transformation in support of the Pan-Canadian Framework on Clean Growth and Climate Change

Objective: To provide an overview of federal, provincial, territorial activities on market transformation for heating and windows to 2035, and discuss implications for standards development and testing.

Referencing the earlier provided documents circulated with the agenda,

[https://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/emmc/pdf/Market-Transformation-Strategies\\_en.pdf](https://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/emmc/pdf/Market-Transformation-Strategies_en.pdf), which serves as a basis to guide stakeholder engagement in developing road maps to

achieve the aspirational goals - completion in spring 2018; Along with Attachment **AS4**, *Market Transformation Strategies for Energy-Using Equipment in the Building Sector: Overview of Aspirational Goals*, with a focus on Residential Windows, Space Heating and Water Heating.

The aspirational goals are intended to significantly increase performance of the noted products, which are expected to result in product design and technology changes and new testing procedures.

Interest was expressed by stakeholders in taking part in these initiatives. NRCan to follow-up with details.

How does the work on the CSA express standard for cold climate heat pumps align with the Northeast Energy Efficiency Partnerships (NEEP) programs that some utilities are implementing? NRCan to follow-up with details.

**Post meeting note:** NEEP are aware of the noted CSA document development and will consider it when it is completed.

### **7. Path Forward for Codes Development – M. Mihailovic**

Objective: To provide an overview of the codes development process in the next five years, and how that intersects with standards development for equipment.

Referencing Attachment **AS5**, an overview was provided of the NRC Codes processes and specifically the next steps in the Energy Codes processes. It was noted that there has been visibility to the BC Step Code which will be considered in the next edition of the NECB.

Concerns remain that harmonization of Code requirements and alignment of adoption cycles by jurisdictions is an ongoing challenge.

Noted that Codes typically apply to new construction, whereas standards and regulations can apply to both new and retrofit construction. CACEE to further consider the opportunity. All are invited to contact NRC with any additional feedback.

### **Conclusion and next steps**

The next CACEE meeting time and location has not been confirmed, however participants will be notified when the meeting date is set.

The Chair thanked all participants and the meeting was adjourned.