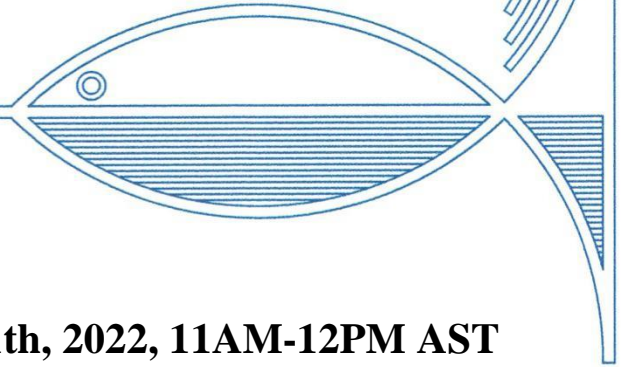


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January 2022 Issue

NEXT MEETING

Tuesday January 11th, 2022, 11AM-12PM AST

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/758667981>

You can also dial in using your phone.

United States: [+1 \(571\) 317-3116](tel:+15713173116)

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Access Code: 758-667-981

PRESENTATION

Tuesday January 11th, 2022 12PM-1PM AST

Eventbrite Registration

<https://www.eventbrite.ca/e/ashrae-nbpei-january-presentation-refrigerant-update-tickets-238842413087>

Presentation – Refrigerant Update – The Next Transition Has Begun

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About the Presenter

Kevin Bregel is a System Sales Account Manager with Trane Canada serving New Brunswick and Prince Edward Island. He works closely with owners, consultants, and contractors to develop and implement HVAC system solutions with a focus on healthy indoor environments, and industrial processes. Kevin began his career with Trane in 2015 and has a passion for discussing and promoting sustainability and advancing our indoor quality of life.

TOPIC: Refrigerant Update – The Next Transition Has Begun

This presentation provides an update on the global HFC phase-down timeline established by the Kigali Amendment to the Montreal Protocol and will briefly discuss and compare transitional and next generation refrigerants.

After viewing the presentation, attendees will be able to:

- Summarize the drivers behind the new regulations and legislation for HVAC refrigerants.
- Discuss the actions being taken both globally (via the Kigali Amendment to the Montreal Protocol) & domestically (via the U.S. EPA and Climate Alliance States, CANADA).
- Discuss the science behind why and how HVAC refrigerants are evolving.
- Compare environmental impact, efficiency and safety of current and next-generation refrigerant options



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9 November 2021 Technical Session Air Handling Unit Designs and Applications

Presented by Andrew Neeley from Johnson Controls.

Fueled by the pandemic, Andrew Neely has become the internal subject matter expert on CSA-Z317.2. This standard covers the requirements for Air Handling Unit construction in heating ventilation and air conditioning (HVAC) systems in health care facilities.

Andrew covered the construction items, material, acoustics, perforation and a host of other things that hospital HVAC units require to meet the CSA Standard.

There were a total of 24 in attendance.

CODES & STANDARDS - PURCHASE

CSA Z317.2:19

Special requirements for heating, ventilation, and air-conditioning (HVAC) systems in health care facilities

SKU: 2427647 Published by CSA Group Publication Year 2019 140 pages

[View Access](#)

It turns out that this standard is available to view for free!


View Access for this document is only available for viewers in Canada

Andrew Neely

CSA-Z317.2-19 Section – 6.7 Air Filtration

6.7.4
Air filters and associated systems shall be

a. designed, installed, and located so as to avoid wetting from humidifiers, cooling coils, or other sources of moisture



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14 December 2021 Personal Financial Management

Presented by Josh McWilliam BA, CFP, FMA, EPC, FCSI, CIWM Financial Security

Josh graduated from Mount Allison University and began his career in the financial services industry in 2002. He established his own company in 2005 and has received numerous industry awards. He has been nationally recognized as a leader in the field.

Josh's presentation was comprehensive and covered many of the topics that concern today's professionals.

Did you know you can push your retirement a little ahead of 65 and still get your pension (CPP). You will suffer a lower pension payment in future but you will have the pension sooner. The breakeven analysis is part of Josh's presentation. You can find a copy of this on our chapter website under the [History – Technical Session Archive](#).

CPP break-even age chart

Age	60	61	62
CPP benefit/mo	\$770	\$856	\$943
Cumulative CPP earned prior to age 65 (pre-tax)	\$46,195	\$41,113	\$33,953
Break-even (months)	106.67	118.67	130.67
Break-even (age)	73.9	74.9	75.9

Based on CPP retirement benefit of \$1,203/month

20's and 30's

- Buying a house...
 - HBP (First time Home Buyers Program)
 - Avoid CMHC with 20% down payment
 - 2.8% up to 4.0% Fee
 - \$300k Mortgage with 5% down is \$11,400 CMHC Fee
 - Variable vs. Fixed Rate?
- Kids?
 - RESP (Registered Education Savings Plan)

40's and 50's

FSA vs. RRSP vs. Spousal RRSP Which one should I use?

40's and 50's

How much do I need to save to retire?

Joe and Jane Sample age 45
\$200,000 current and saving \$10,000/year each
Include CPP, OAS
Income Goal \$5,000/month After Tax Indexed

Unfortunately there were only 4 attendees to this session. If you didn't get a notice to this [session](#) please send me [John Willden](#) or Brandon Cosman an email.

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High-Performance Building Envelope Training (English & French Sessions)

Hello/Bonjour,

NB Power's Commercial Sector Energy Efficiency Programs will be offering a free, 4 part, High-Performance Building Envelope Training Series, for the commercial construction sector in New Brunswick. The training will be provided in English and French in separate events.

The program will be delivered by a bilingual commercial construction company owner associated with Passive House Canada. The course begins in late January with a 1 hour session, followed by three weekly sessions of two hour duration, covering building envelope, air tightness and thermal bridges. Registration requests will be via email, to our program's inbox, and the program will be delivered online on weekday mornings.

For more information please write to our inbox: CEES-SEEC@nbpower.com

The series will be offered in both languages:

English: Mondays at 9am. January 31st until February 21st

French: Tuesdays at 9am. February 1st until February 22nd.

Here are additional details using the English dates:

FULL ITINERARY (English Sessions)

Introduction to Net Zero High-Performance Buildings

Mon, Jan 31, 9am-10am

Understanding the definition of Net Zero

Exploring the principles of a Net Zero Building Design

Building Envelope

Mon, Feb 7, 9am-11am

Principles of high-performance building envelopes

Insulation properties

Wall assemblies for high-performance buildings



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Airtightness

Wed, Feb 16, 9am-11am

The importance of airtightness in buildings, with reference to energy demand, heating load, thermal comfort, moisture management and structural integrity
Airtight envelope designs for different construction types used in Canada
Suitable airtight building component connections
Suitable airtight building component connections
Suitable airtight sealing methods for penetrations and challenges

Thermal Bridges Mon, Feb 21, 9am-11am:

Definition of thermal bridges
Understand various types of thermal bridges
Learn how to avoid thermal bridges

Who is this training for?

This learning opportunity is intended for:

Those working in the commercial buildings construction sector; and
Architects, engineers, technologists

For more information, please write to our inbox: CEES-SEEC@nbpower.com

About instructor:

Philippe is a certified Passivhaus designer and instructor, and a LEED BD+C Accredited Professional. He owns a commercial construction company based in Montreal and has worked in the construction industry for over 10 years. Philippe has experience both onsite, as a foreman, and offsite, as a project manager, estimator, and construction director. He has recently completed the design and construction of a multi-family Passivhaus project in the densely populated Plateau district of Montreal. Philippe also acts as a sustainable development consultant specializing in the operationalization of sustainable construction practices at the institutional level. His current mandate involves the revision of McGill University's design standards and construction processes to institutionalize sustainability through measurable results and a self-reinforcing cultural shift.