



CASA

notes

Canadian Automatic Sprinkler Association

Canada's Fire Sprinkler Industry Magazine • 2018 • 1st Issue

2018

William Clark Achievement Award



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William Clark
Achievement Award

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Annual Conference

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Canadian Automatic Sprinkler Association
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The Canadian Automatic Sprinkler Association is a National Trade Contractor's Association. It has existed in one form or another since the 1920's, and was incorporated under a Dominion Charter in 1961. In its inception it recognized the Sprinkler Industry as a Contracting Industry separate from any other trade. Voting membership, manufacturers, suppliers and subscribers are brought into the Association. C.A.S.A. promotes, defends, enhances and improves the business of installing and manufacturing the sprinkler devices and systems. In doing so, the Association works closely with Fire and Building Officials, Architects and others for the advancement of the automatic sprinkler art as applied to the conservation of life and property from fire. CASAnotes is published quarterly by the Canadian Automatic Sprinkler Association, 315 Renfrew Drive, Suite 302, Markham, ON, L3R 9S7, Tel: (905) 477-2270, Fax: (905) 477-3611, Website: www.casa-firesprinkler.org, Email: info@casa-firesprinkler.org, Editor: Debbie Tomasic.

This publication is free to all members of the Association. Subscriptions to CASAnotes and other industry publications are available by contacting the C.A.S.A. office. The opinions expressed herein are those of the authors and do not necessarily represent those of the Canadian Automatic Sprinkler Association

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President's Report

John Galt, President
Canadian Automatic Sprinkler Association

At this time of writing, it appears that 2017 will see man hours up modestly, reaching a new all-time peak for the country as a whole.

Further we end 2017 with several successful initiatives, such as expanded residential initiatives in the West, key legislative initiatives in Ontario, by way of Prompt Payment Bill 142 and Compulsory Certification.

In addition, we will be working to better coordinate efforts between CASA and the Quebec Corporation in 2018. (Corporation des Maitres Entrepreneurs En Installations Contre l'Incendie (CMEICI))

We also see improvements in Atlantic Canada man hours currently and into 2018.

The New Year got off to a great start with further expansions of legislative reforms for Prompt Payment, modeled after Ontario's legislation in New Brunswick and Manitoba, with proposals for the same in Saskatchewan, Alberta and BC. Not to mention a promise for the same federally.

The month of January saw media attention from comments by CASA's partnerships association, CAFC board members on the subject of increased code requirements for Residential Fire Sprinklers right across Canada. Our tremendous partnership with CAFC has equipped their members to be up to date with the latest in Sprinkler technology while knowledgeable on the ever decreasing costs of installation. With municipal water requirements greatly reduced, the environmental impact of CO₂ and water run-off, cut by upwards of 80-90%, residential fire sprinklers just make so much sense for everyone in Canada.

We remain optimistic about sprinkler demands into 2018, we will however, be watching the confidence in new construction starts, forecast to grow in 2018, as the world proves to be a very unpredictable place, the effects of which our Nation is not immune.

Some highlights to look for this year will be our Annual Conference in P.E. I., June 25, with celebrity chef, Michael Smith involved with CASA delegates and their companions at our magnificent sea side setting.

This year's William Clark Achievement Award Recipient is the former Toronto Fire Chief, Mr. Alan Speed. As you can see from Alan's bio on page 6, he was instrumental in our shoulder to shoulder efforts with the Fire Service across Canada today. The partnership with our Nation's Fire Service leader is central today to extending the benefits for Fire Sprinklers to all Canadians where we live, work and play.

Also with the ever increasing entry of women into the Canadian Sprinkler Industry, we will feature interviews and comments from women in ownership roles, designs, sales and journey persons as well as apprentices from this labour source.

CASA will be announcing later this year some initiatives to help and remove further barriers to women in our trade. CASA, last year along with our fellow NTCCC members, has been very supportive of the Federal Bill, C-243, to implement a National maternity assistance program-a strategy to support women who are unable to work due to pregnancy and the inability to be provided reassignment-very key for women working in any construction trade. I was proud to speak in favour of this Bill, in several media interviews as CASA President and Chair of NTCCC, the spring of last year, along with meeting Federal MP, Mark Gerresten, of Kingston and the Islands, Ontario riding while on the Hill in Ottawa last year; the sponsor of the Bill. All this is part of taking barriers down for 50% of our prospective work force in Canada, and promotes gender equality while we better address a very real economic challenge to our work force.

The weeks and months ahead will also see an expansion of Canadian specific Code and Standards applications through online training initiatives. Look for more on this from Jason Ryckman in upcoming CASAnotes and QR reports.

What a great time to be in the Sprinkler Industry.

One Family. One Industry.



One Source.



For ALL of your fire protection needs



2018 William Clark Achievement Award Recipient

Alan Speed

Alan Speed began his chosen career in March 1962 at age 18, when he joined the Nottingham Fire Service in the U.K.

He came to Canada in 1969 and became a North York Fire Fighter in January 1970.

He was promoted to Captain in 1979, then in 1983 was promoted to District Chief and became the Chief Fire Prevention Officer, promoted again in 1986 to Platoon Chief.

He spent 6 fulfilling years leading the progressive fire prevention programs and learned firsthand the importance of Fire Sprinkler Systems.

Al was promoted to Chief of Administration 1988, Deputy Fire Chief 1989 and North York Fire Chief 1992.

He was appointed by the Ontario Government Transition Team, November 1997, to become the Fire Chief for the Amalgamating City of Toronto, accepting responsibility for bringing together 6 Fire Departments and forming the largest full time Professional Fire Service Organization in Canada.

During his career he served in numerous organizations, including:

- Co-Chair of the Ontario Fire Marshals Public Fire Safety Council.

- Chair of the Ontario Home Fire Sprinkler Coalition.
- Chair of FireSAFE Ontario.
- President of the Canadian Fire Safety Association.
- President of the Institution of Fire Engineers, Ontario Branch.
- Member of Board of Directors, Habitat for Humanity, Toronto.
- Member of Toronto United Way Allocations Committee.
- Member of ULC Fire Council.



- Member of ULC Steering Comm. Research for the Fire Service.
- Member of CSA Tech. Comm. Fire Protection for CANDU Nuclear Power Plants.
- Member of International NFPA Fire Forum, Boston.
- Member of Bldg and Fire Code Committees.
- Advisory Board, Canadian Centre for Emergency Preparedness.
- Board of Directors, Canadian Fallen Firefighters Foundation.
- Honorary Chair, Salvation Army Red Shield Appeal in 1997 and 2002.
- Salvation Army International Disaster Management Training for NGO's.

Chief Speed was honoured by his peers in 1997 when he was the first recipient of the Fire Chief of the year award in Ontario, for his support of Fire Safety and Fire Prevention Programs.

He was also the recipient of the Fire Marshals Award of Excellence in Fire Safety, 1998.

He has authored numerous Fire Safety articles in local, national and international publications.

He is a Graduate of numerous Institutions of Learning, including:

The Ontario Fire College; York University Professional Management Institute; Humber College Business Communications and Employee Benefits; Institution of Fire Engineers.



He is also a Certified Municipal Manager in Ontario and an Officer of the Order of St. John.

Chief Speed retired from his lengthy fire service career on April 30, 2003.

In his retirement he has retained his enthusiasm as a Fire and Life Safety advocate and has a passion for fire prevention. He maintains a fervent belief that Fire Sprinklers are the missing piece of the puzzle in many incidents involving the loss of life in a fire environment.

He has worked closely with CASA to pursue Compulsory Trade requirements for Fire Sprinkler Fitters in Ontario. Also, he has lobbied, along with others, for changes to the OBC to require the installation of Fire Sprinkler Systems in occupancies under construction.

Chief Speed has been a frequent Keynote speaker at numerous functions, both in Canada and internationally. He was honoured to speak at a Fire Sprinkler Conference in Lisbon, Portugal, and also Lake Louise. He has been the keynote speaker at numerous Fire Chief Conferences in the U.K., U.S.A. and Canada.

He has been an active lifelong member of The Salvation Army and receives a great sense of fulfilment from this avenue of service.

He is married to wife Hazel and together they have 2 children and 8 grandchildren. Daughter Andrea is a registered nurse in the Addictions Recovery field and son Dave is the Fire Chief in Whitby, Ontario. Also, grandson, Ryan is a Fire Inspector in Richmond Hill.

In their retirement, Hazel and Al enjoy spending time with their family, when not travelling.



> Training and Apprenticeship

On my travels across our great country the hot topics of discussion at the JTAC & the Western Regional Group meetings continues to be; The recruitment of new Apprentices and how to locate and attract skilled journeypersons to ensure an adequate workforce to meet our current and future needs. Most of the out of work boards in the various Local Union halls are void of journeypersons and apprentices looking for work. As an industry we have voiced our concerns of the on-going shortage of available skilled labour. The venues for these discussions have been, Annual Conferences, Board meetings, Association meetings, Regional Group meetings, CASA Notes, JTAC meetings.

Possible solutions discussed:

- Foreign workers
- First Nations
- Partnership with High School Recruitment Programs
- Helmet to Hard Hat Program
- Web based recruitment sites
- UA National website recruitment
- Advertise in various types of media (TV, Radio, Newspapers, etc...)

While there are varying methods and procedures to hiring new sprinkler apprentices across this country, the end result remains the same. The goal is to recruit and develop an apprentice in the hopes to support a highly skilled and profitable workforce through successful completion of their apprenticeship training. We must strive to eliminate the misconception that a new apprentice is simply "cheap labour" and at times disposable. There exists an obligation to actively evaluate, provide feedback and at times provide appropriate disciplinary actions to ensure an apprentice stays on track and gets the most of their apprenticeship prior to joining the workforce as a journeyperson. An important part of this process is some form of an evaluation to measure the development and performance of an apprentice. An evaluation can reinforce a job well done, set achievable goals to motivate, identify areas for improvement or in some cases expose potential problems affecting their success in this trade. The evaluation can be supported by a standardized form completed by one or more journeypersons responsible for supervision of the apprentice or simply a letter or email maintained for future reference. In any case, to provide this feedback to an apprentice gives accountability, value and recognition for their efforts. By opening a means of communication through apprentice evaluations we can reinforce how an apprentice can improve, how a journeyperson can help with this improvement and how a contractor can express the value of an apprentice as being more than "cheap labour".

The **Red Seal Program** is a partnership between the Government of Canada and the Provinces and Territories. Through the Red Seal Program, interprovincial standards and examinations are developed and maintained through an industry-

driven process for the skilled trades. Today, the Red Seal endorsement is widely recognized and respected by Canadian industry as a standard of excellence.

"The Red Seal Program provides confidence to both employers and consumers that a tradesperson is skilled and knowledgeable. It also provides evidence that a Journeyperson has met a defined level of skill and that they are qualified to do their job," said Larry Slaney, Director of Training for UA Canada. "The Red Seal endorsement on a provincial certificate facilitates mobility of trades workers and recognition of trade certification across Canada in the Steamfitter-Pipefitter trade, which is experiencing a huge demand for qualified workers."

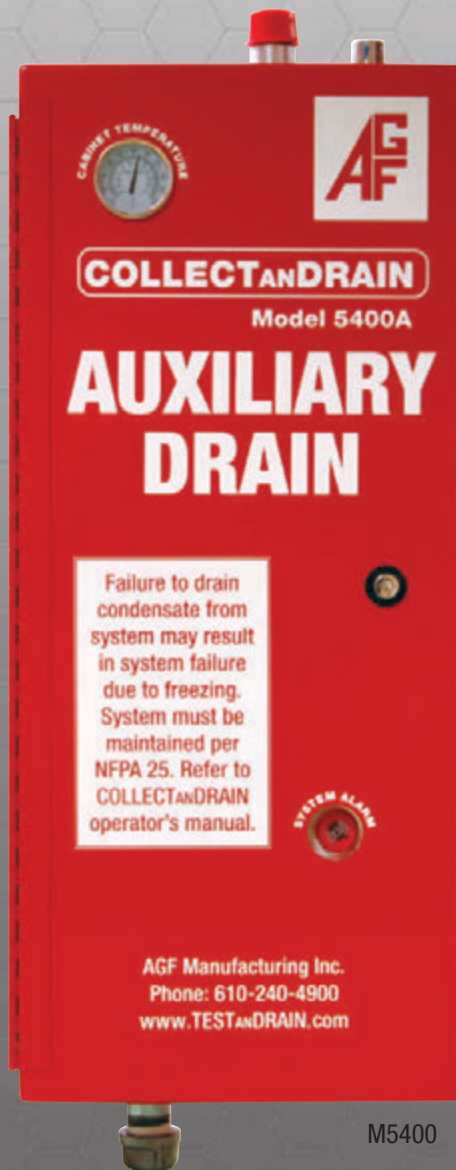
The Red Seal Program has promoted labour mobility and help to standardize training and certification for skilled trades for over 50 years, developing interprovincial requirements for 55 Red Seal designated trades. More than 600,000 Red Seals have been issued to skilled tradespeople since the Red Seal Program's inception.

Training Issues from Various JTACs

- The NL JTAC is still focused on getting a certified instructor to deliver upgrading courses.
- The NB JTAC has members sitting on a working group tasked with the delivery, monitoring and instruction of the Standard of Excellence. The Group is made up of Contractors and Local 325 members.
- The NS JTAC/ Local 56's Training Facility would like to thank the AMS members and CASA Contractors for their donations of fire protection equipment.
- Local 853 and the Ontario JTAC continues to lead the way with their efforts to monitor the apprentice's progress and if necessary, to intervene and offer to help them through a successful completion of their apprenticeship.
- MB JTAC continues to offer upgrading courses for it's fitters.
- Alberta's JTAC has and will continue to offer upgrade training to it's members. They welcome the new AFSA Chapter to Alberta and look forward to the possibility of combining our efforts to education seminars, upgrade training, Fire Sprinkler Summits, etc...
- BC JTAC – PIC has new leadership as well as UA Local 170. They welcome the new AFSA Chapter to BC and look forward to the possibility of combining our efforts to education seminars, upgrade training, Fire Sprinkler Summits, etc...

FREEZE PROTECTION

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NOMINATIONS CALL FOR THE **CASA Board of Directors**

The 2018-2019 Board of Director's nominations will take place prior to our Annual General Meeting. Please be advised that your first call for nominations for the Board of Directors is now open. A slate of nominated Directors received will be circulated on April 12th with a last call for nominations. Nominations close on May 17th, 2018. Following that, but prior to the AGM, we will also be electing officers (ie. Chairman, Secretary Treasurer, Executive Committee)

The three areas up for re-election this year:

1) Atlantic (Claude Melanson) 2) Ontario "B" (Rick Berwick) 3) Alberta (Corey Gordon)

Please send your nominations to: Paul Harding (Nominating Chair) at Paulharding1944@gmail.com

PLEASE NOTE: *We will not be accepting nominations from the floor at the Annual General Meeting*

2018 ANNUAL CONFERENCE

June 24th - June 26th Charlottetown, PEI

Delta Prince Edward



**To Register for the 2018 Annual Conference, please visit;
www.casa-firesprinkler.org**

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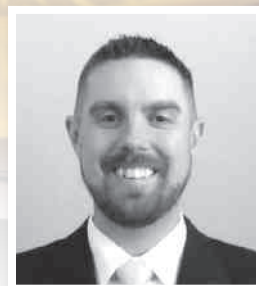
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> Codes & Technical Report

CSA B139-19 Public Review Section 4.5 Diesel Fire Pumps

Please be advised that the public review draft for the CSA B139-19 Installation Code for Oil-burning Equipment has just been posted. The draft content can be viewed at the following link: <http://publicreview.csa.ca/Document/Manage/2807>. You will have to register to review changes. Diesel fire pump requirements can be viewed in section 4.5. The public review period will end on February 19, 2018.

Please share this communication with anyone who may be interested in reviewing the B139 draft. Comments will be accepted via the CSA Public Review site.

Update - Saskatchewan Adopting 2015 National Codes

The National Building Code 2015 (NBC 2015) and the National Fire Code 2015 have been adopted and is in force in Saskatchewan as of January 1, 2018.

Any questions concerning the application of the NBC and NFC, can be directed to:

Building Standards and Licensing

100 - 1855 Victoria Avenue

Regina, SK S4P 3T2

Phone: 306-787-4113

Email: building.standards@gov.sk.ca

2018 British Columbia Building, Fire, Plumbing Code Public Review Proposed Changes

The Building and Safety Standards Branch of the Office of Housing and Construction Standards in the BC Ministry of Municipal Affairs and Housing has invited code users and other stakeholders to participate in a public review to provide feedback on proposed changes for the next edition of the BC Building, Plumbing, and Fire Codes. British Columbia will be adopting most of the 2015 National Codes requirements into the 2018 BC codes with some changes specific to British Columbia. These are noted in the public review proposed changes. After reviewing these proposed changes, the BC Fire Code has a proposed change of interest 2.1.3.1., and A-2.1.3.1.

(Deleted text / **Added text**):

2.1.3.1. Fire Alarm, Standpipe and Sprinkler Systems 1) ***Except as otherwise provided in this Code***, Fire alarm, standpipe and sprinkler systems shall be provided in all buildings when where required by and in conformance with Article 1.1.1.1. of Division A the British Columbia Building Code.

A-2.1.3.1.(1) The British Columbia Building Code is most often applied to existing buildings when an owner wishes to rehabilitate a building, change its use, or build an addition; or when an enforcement authority decrees that a building, ~~or a class of buildings~~, be altered for reasons of public safety. It is not intended that either the British Columbia Building Code or the British Columbia Fire Code be used to enforce the retrospective application of new requirements in the British Columbia Building Code to existing buildings. Although the British Columbia Fire Code could be interpreted to require the installation of fire alarm, standpipe and hose and automatic sprinkler systems in an existing building for which there were no requirements ***at the time of construction***, before the British Columbia Building Code was issued, it is the intent of the Canadian Commission on Building and Fire Codes that the British Columbia Fire Code not ***intended that the code*** be applied in this manner to these buildings.

It is usually difficult to change structural features of an existing building when undertaking alterations or additions, but the installation of "active" fire protection systems, such as alarms, sprinklers and standpipes, in existing buildings may be possible. These systems may be considered as contributing to an adequate degree of life safety in cases where the structural features of a building do not conform to the British Columbia Building Code.

Sentence 2.1.3.1.(1) is intended to address the installation of fire alarm, sprinkler and standpipe systems in existing buildings presently not so equipped, and in existing buildings that do not provide an acceptable level of safety to meet the current installation standards specified in the British Columbia Building Code. **Further**, it is not intended that existing fire protection systems that provide an acceptable level of life safety be upgraded with each new edition of the British Columbia Building Code or in conjunction with the inclusion of new requirements not in force at the time that a building was constructed. The authority having jurisdiction is expected to use discretion in enforcing this requirement. The authority having jurisdiction may accept alternatives to strict compliance with the NBC as provided for in Clause 1.2.1.1.(1)(b) of Division A.

For buildings in which a sprinkler system is installed, This provision is also intended to direct Code users to ***Part 1 of Division A for the application of the British Columbia Building Code*** and primarily to Subsection 3.2.5. of Division B of the British Columbia Building Code, which specifies NFPA 13, "Installation of Sprinkler Systems," as the appropriate standard for the design and installation of automatic sprinkler systems and provides several exceptions and supplementary requirements (where, in certain cases, other provisions in the British Columbia Building Code may also apply). However, where a specific hazard, such as highly piled storage or the storage of flammable and combustible liquids or rubber tires, is not addressed in the British Columbia Building Code, the applicable NFPA standards that contain design criteria for the sprinkler system required can be found in the British Columbia Fire Code.

The public review started on December 12, 2017 and ends on February 28, 2018.

The next editions of the British Columbia Codes are anticipated to be available in 2018, with an effective date late in 2018.

Alberta Testing Verification for Fire Suppression Systems Building Code Interpretation Standata

Alberta has issued a testing verification for fire suppression systems building code interpretation standata in November 2017 to provide jurisdictions guidance within the ABC 2014 as to how a person or company provides verification to the authority having jurisdiction (AHJ) about results of tests. This interpretation applies to all fire suppression systems that are installed in buildings, including, but not limited to:

1. Fire suppression systems for entire buildings or floor areas within buildings
2. Fire suppression systems protecting commercial cooking ventilation systems
3. Fire suppression systems protecting spray rooms, spray booths and spray areas for flammable and combustible material spray operations. Please see the following website for details: <http://www.municipalaffairs.alberta.ca/documents/14-BCI-009-FireAlarmandFireSuppressionSystemVerificationandTestingCertificates.pdf>

Upcoming Education Seminars, Meetings, and Speaking Engagements

In-Class Education Seminars

Winnipeg, MB – Tuesday May 15th – Thursday May 17th

Tuesday May 15th – Fire Sprinkler Plan Review

Wednesday May 16th – Fire Sprinkler Plan Review

Thursday May 17th – Fire Pumps for Fire Protection

Calgary, AB – Tuesday August 21st – Thursday August 23rd

Tuesday August 21st – Fire Sprinkler Plan Review

Wednesday August 22nd – Fire Sprinkler Plan Review

Thursday August 23rd – Fire Pumps for Fire Protection

Halifax, NS – Tuesday October 23rd – Thursday October 25th

Tuesday October 23rd – Fire Sprinkler Plan Review

Wednesday October 24th – Fire Sprinkler Plan Review

Thursday October 25th – Fire Pumps for Fire Protection

Toronto, ON – Tuesday November 6th – Thursday November 8th

Tuesday November 6th – Fire Sprinkler Plan Review

Wednesday November 7th – Fire Sprinkler Plan Review

Thursday November 8th – Fire Pumps for Fire Protection

Vancouver, BC – Tuesday December 11th – Thursday December 13th

Tuesday December 11th – Fire Sprinkler Plan Review

Wednesday December 12th – Fire Sprinkler Plan Review

Thursday December 13th – Fire Pumps for Fire Protection

Online Education Seminars

February 20, 2018 - Discussing Design Approaches

Presented by Louis Guerrazzi, E.I.T., Manager of Product Standards

Chapter 11 of NFPA 13 (2016) provides a layout technician the tools to determine the hydraulic design approach for a fire sprinkler system. While the pipe schedule method is still permitted for small systems which meet the requirements of Chapter 11, essentially all systems are now required to be hydraulically calculated based on Section 11.2.3. This seminar will discuss the available hydraulic design options, including the density/area method, room design method, and special design approaches, such as residential sprinklers, water curtains and a discussion on deluge systems.

March 20, 2018 - Understanding the 2017 Edition of NFPA 25

Presented by John Corso, Director of Training

This seminar will address significant changes to the 2017 edition of NFPA 25, Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems, including an overview of the changes in the reference tables. This seminar will also discuss clarifications of existing rules, addition of newly required procedures, adjustments to reference tables and changes in various time requirements for inspections and testing procedures.

April 17, 2018 - An Overview of Corrosion in Sprinkler Systems

Presented by Mark Hopkins, P.E., Vice President of Engineering

This presentation identifies design limitations and installation pitfalls which influence corrosion in sprinkler systems. Topics will include how corrosion is commonly detected and why it is a problem. The basic forms of corrosion, its effects on system reliability, and failure mode concepts will be described. The basic framework for conducting corrosion investigations, factors for consideration in determining whether to salvage or replace a system, and possible corrosion management strategies will also be discussed.

May 15, 2018 - 2015 and 2018 Changes to Building Codes for Sprinkler Contractors

Presented by Jeff Hugo, CBO, Director of Codes

Building codes reference installation standards and while layout technicians and contractors know the installation standards well, there are numerous building code rules that affect layout and system design. This course highlights changes to the 2015 and 2018 International Building Code, International Fire Code and NFPA's Life Safety Code as it relates to the fire sprinkler contractor.

June 19, 2018 - Hydrant Flow Tests per NFPA 291

Presented by Roland Asp, Manager of Installation Standards

Water-based fire protection systems rely on a reliable source of water and the municipal water system is a common source of this water. The characteristics of a municipal water supply is typically determined through hydrant flow tests. NFPA 291, Recommended Practice for Fire Flow Testing and Marking of Hydrants, highlights the proper procedures, equipment and data collection for these vital tests. This seminar will highlight the requirements of this recommended practice and will include valuable information on the various aspects of hydrant flow testing including: Procedures, Test Layout, Equipment and Determination of Discharge as well as proper data collection and limitations of the tested data.

<http://www.casa-firesprinkler.org/news-events/live-technical-seminars/>

continued on page 19



National Communications Report

CASA Future Leaders Think Tank Forum

CASA held the inaugural Future Leaders Think Tank Forum on December 14, 2017. The forum is an opportunity for individuals who are forty years of age and younger to share ideas, discuss concerns and offer potential solutions to challenges that the Canadian Fire Sprinkler Industry is faced with today and in the future. The Future Leaders Forum is tentatively scheduled to meet on a quarterly basis via video conferencing and conference call. This allows participants from across Canada to participate together and have the ability to have a wide range of different perspectives and opinions from individuals from across our country. In addition to our video conference meetings, there will be an in-person CASA Future Leaders Think Tank Forum meeting held in conjunction with our CASA Annual Conference in beautiful Charlottetown, PEI. I would recommend all Future Leaders to review the upcoming registration package for the CASA Annual Conference as there will be special reduced registration fees for Future Leader attendee's. The next meeting of the CASA Future Leaders Think Tank Forum is tentatively scheduled for February or March 2018.

CASA Proud Sponsor of Canadian Association of Fire Chiefs Annual Conference

CASA is proud to partner with the Canadian Association of Fire Chiefs Association as a sponsor and exhibitor at the upcoming Canadian Association of Fire Chiefs Annual Conference later this fall in September 2018. The Canadian Association of Fire Chiefs Annual Conference provides an opportunity for CASA staff to meet with numerous Fire Chiefs from across Canada to share information and to answer any questions that a Fire Chief may have regarding the Fire Sprinkler Industry in Canada. The conference allows CASA and the CAFC to share information and identify potential areas or topics where potential change is needed across Canada to help increase the level of life safety for all Canadians.

CASA to attend Canadian Home Builders Annual Conference's

CASA will be attending the upcoming Canadian Home Builders Association Annual Conference held on March 21st – March 23rd in Victoria, BC. CASA staff look forward to participating on the Technical Research Council Meeting, as well as speaking and discussing with Canadian Home Builders about the benefits of residential fire sprinkler systems.

Residential Sprinkler Information available on Canadian HFSC Website

The nonprofit Canadian Home Fire Sprinkler Coalition (HFSC) www.homefiresprinklercanada.ca has timely and informative resources that help increase the awareness about the life-saving benefits of installing home fire sprinklers in their homes. This new comprehensive website presents content developed for a number of stakeholder groups including homeowners, homebuilders, real estate agents, insurance professionals and fire services.

Videos, fact sheets and answers to frequently asked questions provide key information about sprinkler systems installed in homes and their life-saving benefits. Many of the resources will help fire departments that want to include fire sprinkler information in their education programs.

"The website is a great new way to make this important information available to all Canadians," said HFSC Board President Lorraine Carli. "In particular, it will also be helpful for fire services and other sprinkler advocates as they work to educate Canadians about sprinklers' ability to save lives and protect property."

Since 1996 the HFSC has worked with fire services across North America to improve awareness and education of the role of sprinklers as a way to save lives, reduce injuries and minimize home fire losses.

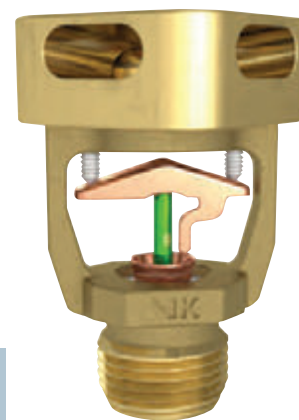
Funding and support from HFSC's partners CASA and The Co-operators helps make the new website possible.

Sprinkler Saves in Canada

One of the challenges that the Fire Sprinkler Industry faces not only in Canada but around the world is tracking and collecting fire sprinkler activations, or commonly referred to as "Sprinkler Saves" in our industry. In many cases these fires are quickly controlled and extinguished by the sprinkler system and responding fire department, which in return dramatically reduces the amount of fire fatalities and injuries to the building occupants and responding fire fighters, dramatically limits and reduces the amount of property damage, and in the majority of cases does not displace a large portion of the building occupants for a lengthy time. In many cases the majority of building occupants can return to their units within hours of the fire. A fantastic website to track fire saves from around North America including Canada is <http://sprinklersaves.com/tag/canada/>. The website tracks and reports on fire sprinkler saves around North America, and helps break down these fire saves by region and property type.

Unfortunately, many of these fire scenarios are not commonly reported upon by the local media, and in a large amount of cases if the fire is covered in the media the focal point of the news story tends to focus on the "old conventional" topics of water damage and property damage caused by the fire. CASA has actively tracked these types of fires, and in many cases we have reached out to the local journalist to offer a different perspective on the fire that highlights the positives that the sprinkler system activation offered in the fire scenario compared to a comparable fire that does not have a sprinkler system. Over the past few years I have seen a slow shift in the media coverage where they are referencing the benefits of the sprinkler system in these types of fires, but there is still a large amount of work and education needed to be done to help inform journalists about the positive outcomes of these "Sprinkler Saves". Therefore, if you come across

continued on page 19



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Attic Hip
5.6 K-factor

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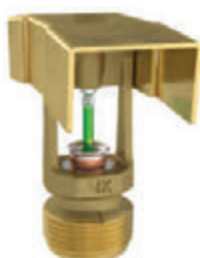
Protect these challenging areas using less water, fewer sprinklers, and reduced piping

Attic Sprinklers

4/12-12/12 slopes



V-BB
Back-to-Back
5.6 K-factor
VK684, VK685, VK686



V-BB
Back-to-Back
8.0 K-factor
VK681, VK682, VK683



V-SD
Single Directional
5.6 K-factor
VK693, VK694, VK695



Attic Upright*
4.2 K-factor VK696
cULus Listed for use with
V-HIP, V-BB and/or
V-SD models



NEW Attic Upright*
5.6 K-factor VK697
cULus Listed for use with
V-HIP, V-BB and/or
V-SD models

Interstitial Space Sprinklers

Up to 2/12 slopes



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Interstitial Space
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5.6 K-factor



COIN® VK900
Interstitial Space
Quick Response
4.2 K-factor



COIN® VK901
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Quick Response
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Fusible Element

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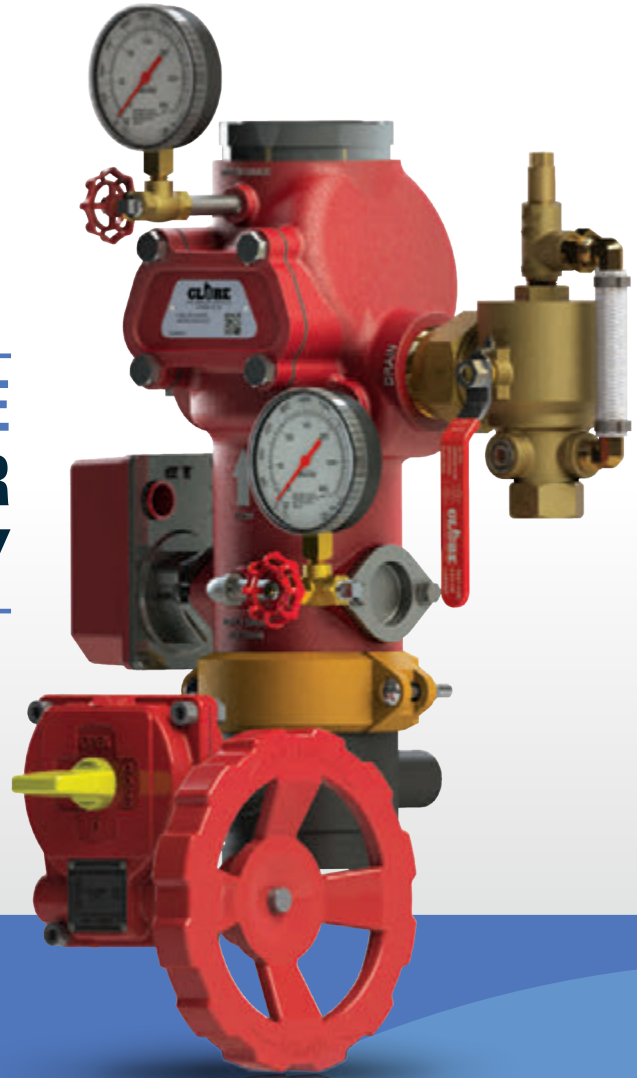
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Examples of Agenda items during our various meetings:

- 2nd NAUSC ITM addition are in the advanced planning stages.
- Skills Canada 2018 will take place in Edmonton, June 1-5 at the Edmonton EXPO Centre.
- Compulsory Certification updated. AB, SK & NL have all submitted and in process. Enforcement, who is going to do it? Other Provinces don't have OCOT.
- National JTAC website will be operational very soon.
- **All access** to all NFPA Code & Handbooks was negotiated by Steve Steele, National Training Coordinator for all UA Sprinkler Fitter Members in good standing. Well done!
- Red Seal Occupational Standards (RSOS) update should be in place this year.
- Safety training was a major concern during all JTAC meetings, cost, duplications, delivery agents, etc...
- Fitter upgrade training, has not been well received by the majority. Compensation for time spent at training is the concern voiced by most Fitters.
- The "per diems" for the ITM course have been terminated as of December 31, 2017. If you have a concern in your region, please contact me.

CASA's "Just in Time Education"

The fire sprinkler industry objectives are to promote, defend, enhance and improve fire protection and part of that is to have people trained and educated.

CASA can be the leader and resource for all of your training and education needs in Canada. No other organization in Canada provides as many training Opportunities in as many subjects in various formats taught by experts in the industry.

Who should attend?

- Building/Fire Officials
- Designers/Contractors
- Design Professionals Architects/Engineers
- Building Owners/Managers
- Installers (opportunity to interact with all mention)
- Insurance Representatives

Please contact Jason Ryckman or any CASA Staff member for further details.

Proposed Spring 2018 Meeting dates for our JTACs:

- National JTAC, February 13 2018, Fairmont YVR, BC, 11am
- BC JTAC, April 16, 2018, PIC, Delta, BC, 10am.
- AB JTAC, April 19, 2018, Local 496, Calgary, 10am
- SK JTAC, April 18, 2018, Local 179 Training Center, Saskatoon, 9am
- MB JTAC, April 17, 2018, 4 Points Sheraton Winnipeg Airport, 11am
- ON JTAC, March 15, 2018, Local 853, Markham, 8am
- NS JTAC, March 29, 2018 Local 56, Halifax, 9am
- NL JTAC, March 28, 2018, Local 740, Mount Pearl, 9am
- NB JTAC, March 27, 2018, Hampton Inn & Suites, Moncton, NB, 10am

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continued from page 13

Meetings

Standing Committee on Fire Protection Teleconference

Tuesday, February 20, 2018

British Columbia Fire Sprinkler Initiative, Langley, British Columbia

Thursday, February 22, 2018

CSA-B139 Fuel Burning Equipment Technical Committee Teleconference

Wednesday, February 28, 2018

Combustible Construction II Task Group Meeting, Vancouver, British Columbia

Monday thru Wednesday, March 5th thru 7th, 2018

Speaking Engagements

Long Sault OBOA Chapter Retrofit Legislation Vulnerable Care Occupancies in Long Sault, Ontario

Wednesday January 31, 2018

Saskatoon Building Officials Association Fire Sprinkler Plan Review Seminar, Saskatoon, Saskatchewan

February 8th & 9th 2018

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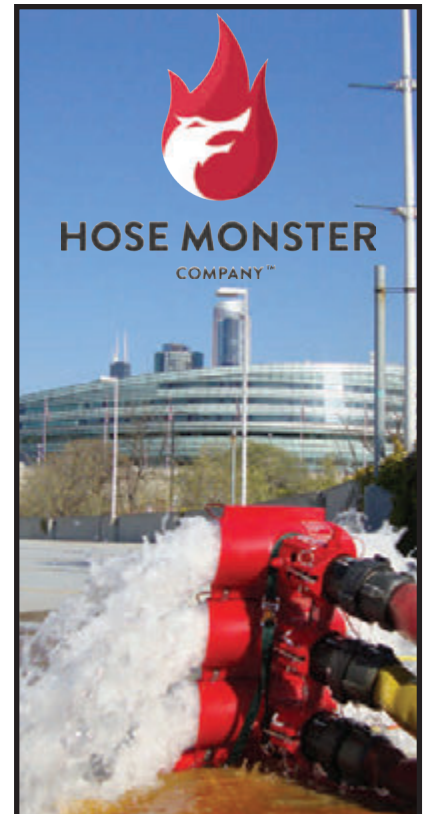
a Sprinkler Save in your community please share the information with CASA staff via email, phone or through our social media feeds. www.casa-firesprinkler.org mosburn@casa-firesprinkler.org @CASAFS

Are you utilizing our Digital CASAnotes?

CASA has implemented and used our digital CASAnotes for our most recent versions of CASAnotes. If you have not yet had the opportunity to take advantage of viewing our CASAnotes via multiple electronic platforms I would encourage you to visit our CASA website and register as a CASAnotes Digital Subscriber <http://www.casa-firesprinkler.org/casanotes/> **It is free to register!** and it will ensure that you receive our newest and archived electronic CASAnotes via multiple electronic formats. The new digital CASAnotes not only makes it more convenient to view CASAnotes on your electronic format, but also allows users to use active links to visit a featured advertisement or to view a referenced document or statistic that is referenced in a staff report. Ultimately, the digital CASAnotes will allow users to receive the most current Canadian Fire Sprinkler related information quicker than ever before, and will allow the user to obtain and use information on the spot!



The image shows the CASAnotes logo, which includes the text "CASAnotes" and "CASA notes" with a picture of a fire sprinkler. Below it is a screenshot of the CASAnotes website registration form. The form has the CASA logo at the top, followed by the text "CASANOTES" and "Sign up for CASAnotes". It then says "all fields are required:" and lists fields for "First Name", "Last Name", "Email", and "Company". At the bottom is a "SIGN UP" button.



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2018 CASA Annual Conference

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Local Area

Charlottetown is an excellent example of a vibrant seaside capital city. It has historic charm, pride of place and many festive celebrations. Charlottetown provides links to the past and carries on the tradition of hospitality and the sense of belonging that indeed the entire province of Prince Edward Island is noted for. Canada was conceived in PEI when the Fathers of Confederation met at Province House National Historic Site in 1864 to plot out the creation of Canada. Just steps away is Victoria Row a narrow street that is closed to car traffic in summer and its charming red brick buildings house an eclectic array of shops and restaurants. It seems like everyone has patio seating and it is the perfect place to people watch, grab a bite and a drink and enjoy the sounds of local musicians.

Charlottetown is not just about the past – festivals, celebrations and special events take place continuously. The Confederation Centre of The Arts is home to the award-winning Anne of Green Gables – The Musical and is a cultural hub that attracts performers from all over the world. An impressive art gallery displays the work of diverse Canadian artists and a gift shop has hand-crafted items from across the country. The Centre also cultivates new talent through its

Young Company program and each summer a group of gifted young Canadians attend classes and present free performances.

Charlottetown is home to a network of walking trails and waterside boardwalks, craft and specialty shops, restaurants that feature Island seafood and agricultural products, highly rated golf courses and carriage rides that will take you through the side streets of historic Charlottetown. For a sailor's view of the city, a boat cruise will take you out onto the waters of Hillsborough Bay. From this vantage point, you can watch the activities along the shoreline and marvel at the copper spires of St. Dunstan's Basilica that climb heaven-bound above the city.

Charlottetown's beauty is that, even in the heart of the city, you're never far away from a round of golf or a day at the beach. The 18-hole Fox Meadow Golf and Country Club is just seven minutes away, in Stratford. Keep driving a little further and you'll discover the red sands of Tea Hill Beach, a great place for shell collecting and a dip in the warm water.

2018 Conference Speakers

We are proud to announce the amazing lineup of guest Speakers at this year's Conference:

Michael Smith – PEI's Food Ambassador, Canada's best-selling Cookbook Author, Innkeeper, Educator and World-Renowned Chef

Mohit Kansal – Growing, Selling or Passing on Your Business

Diane Laranja – Marijuana in the work place

Jason Ryckman – Fire Sprinkler Industry Technical Update

Shayne Mintz – Canadian NFPA Update

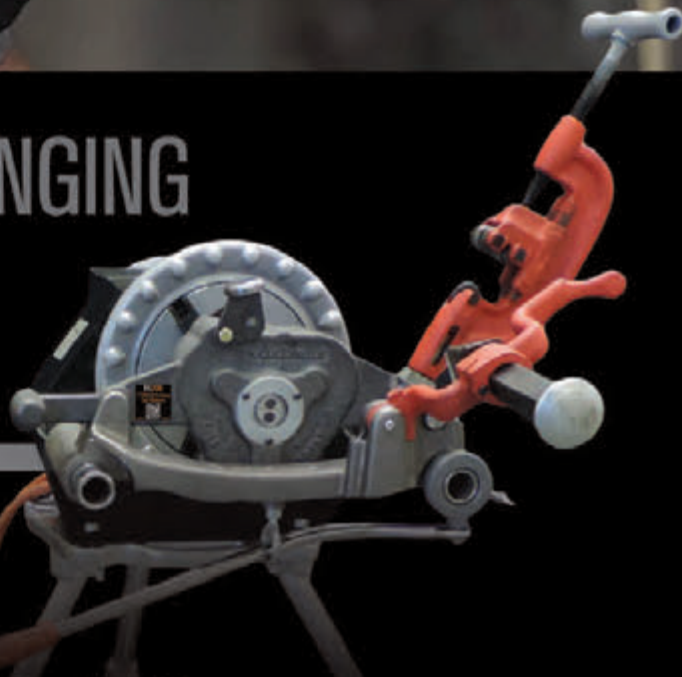
Dan Leduc – Prompt Payment/Construction Lien Act Legislation

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Please visit our CASA Website at <http://www.casa-firesprinkler.org/member-resources/annual-conference/>



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> Western Regional Report

Happy New Year! A special thanks to all who gave their time & efforts to better our industry throughout 2017. It has been a privilege to have worked with you all over the past year. Our meetings with the City of Winnipeg's Plan Examination Department will be an on-going process. We will continue to meet as necessary throughout the year. Our Alberta Compulsory Certification task force is meeting on January 25, 2018 in Edmonton with the newly formed AFSA Chapter to discuss our submission. The National JTAC is meeting in BC on February 13. The BC Fire Chiefs Association is hosting the 2018 BC Home and Family Sprinkler Summit at the Langley Events Center on February 22. Their committee has put together solid agenda for the day. [Bit.ly/bcsprinklersummit](http://bit.ly/bcsprinklersummit).

After seventeen years at the helm, Joe Salyer has retired from his position of Business Manager of UA Local 170. We wish you well in your retirement Joe! Looking forward to working with the new rescheme lead by Al Philips Jr.

There's much to be impressed with when it comes to **British Columbia's** economy. Growth has been strong—averaging 3.5% annually in the past four years—broadly based across economic sectors and resilient in the face of turbulence in the provincial housing market last year. British Columbians enjoy some of the brightest job prospects in the country and feel confident because of it. It is expected that rising interest rates will cool consumer spending and housing market activity. Economic recovery in Alberta is poised to temper the flow of provincial migrants moving to British Columbia and restrain overall population growth. RBC forecast GDP growth to moderate from 3.2% in 2017 to 2.2% in 2018. The moderation continuing into 2019 with growth easing to 1.9%.

The BC labour market's performance in the past two years has been nothing short of stellar. Employment growth averaged 3.4% annually, which is something they haven't seen in the province since the mid-1990s. The unemployment rate dipped to 4.8% by the late stages of 2017—a nine-year low point. Can

such a torrid pace of job creation be maintained in 2018? The odds are it won't. In large part this is because it will get increasingly difficult for employers to find candidates to fill job vacancies. (new minimum wage?) British Columbia's labour pool clearly saw a large influx of job seekers from Alberta since the recession began in that province in 2015. But with economic conditions and job opportunities improving in Alberta, it is expected that influx to diminish. It is still projected for employment to grow in British Columbia in 2018 but at the more moderate pace of 1.0%. This would be sufficient to keep the unemployment rate historically low at 5.0% overall in 2018—the lowest rate among the provinces. The moderation in job creation will have broader implications for the provincial economy. For instance, it is believed that it will unwind part of the tremendous strength in consumer spending in the past two years. More moderate job growth will also take some of the steam off homebuyer demand in the province. On this front, though, that the rising interest rates and more stringent mortgage lending rules potentially will be larger influences acting to cool the housing market and homebuilding activity.

Although British Columbia is the province least dependent on the US market (the destination of approximately 50% of BC exports, which is still substantial), it is expected rising protectionist sentiments south of the border and uncertainty about the fate of NAFTA to weigh on international trade.

The 'easy' stage of **Alberta's** economic recovery is drawing to a close. Now comes the more difficult part. The big growth number in 2017—RBC's current projection is 4.1%—is more about the very low base in 2016 than a sign of economic boom in the province. This base effect won't be as powerful in 2018. It is expected key economic sectors such as energy and capital investment to reach a more sustainable 'cruising speed' after their initial post-recession blast-off in 2017. The good news is that it is also expected the recovery to continue to broaden across economic sectors. This means that while the headline growth number is poised to be much smaller in 2018—RBC forecast is 2.3%—

more Albertans should feel the improvement in the economy. It is projected employment growth to accelerate and the jobless rate to decline materially in 2018. Yet Albertans aren't likely to wave the all-clear flag in the next year. It will take until 2019 for Alberta's economy to recover fully from its severe recession in 2015 and 2016. Their forecast calls for a 2.0% growth in the province's GDP in 2019.

The completion of the \$17-billion Fort Hills Oil sands project in 2017 will leave a void for capital investment in the province in 2018. Fortunately, work on other Oil sands expansion projects, as well as on pipeline projects will continue. These will help maintain some level construction activity in the energy sector, although it is not expected for them to fully compensate for the drop related to Fort Hills. It is expected, overall non-residential business investment will contribute much less to growth in Alberta in 2018 than it did in 2017.

On a positive note, the recovery in oil prices and improvements in the labour market in 2017 restored confidence among consumers, albeit partially. Albertans responded by boosting their spending—especially on big ticket items such as motor vehicles—which set the wheels in motion for consumer-dependent industries. We project slightly faster growth in employment in 2018 (1.2%) compared to 2017 (1.0%) as the recovery spreads to more sectors of the economy. This should keep consumer spending on a firm upward trajectory.

CASA's staff along with Alberta's Compulsory Task Force has met and will continue to meet with any groups/person to address their concerns with our application for Compulsory Certification.

Saskatchewan's economic momentum is expected to build in the next two years. It is projected to growth to be 2.7% in both 2018 and 2019. Though the main basis for accelerating growth through forecast is an expected recovery in the energy sector, another contributing factor in 2017 has been greater-than-anticipated gains in potash production. Data through to August point to a possible double-

digit increase in production for the year. This would be a nice turnaround from a drop of 1% in 2016. Provincial potash producers secured delivery contracts with key overseas customers in China and India amid generally strong global demand. Things are less robust in other segments of the mining sector, however. In particular, uranium output has weakened in the face of cutbacks in a number of production facilities in the province.

The upside of an overall strengthening in the mining sector is that it improves the prospects for capital spending and the construction sector in the province. Construction activity fell sharply in 2015 and 2016 mainly because the energy sector slashed capital expenditures. Sustained gains in oil prices will support increased spending in the energy sector and boost overall capital investment in the province in 2018 and 2019. While progress was difficult at times, Saskatchewan's labour market stabilized in 2017. Employment flattened out on annual basis after declining almost 1% in 2016. The unemployment rate similarly will be little changed overall in 2017. As the provincial economy gathers momentum in the next two years, it is expected to

see meaningful strengthening in the job market. It is projected employment to grow by 0.5% and the unemployment rate drop to 5.7% in 2018.

Saskatchewan's compulsory task force is patiently waiting for news of their application to the Saskatchewan Apprenticeship & Trade Board, well done and Good Luck!

Manitoba's growth is projected to ease to 2.0% in 2018—a slight downward revision from 2.4% in September and 1.7% in 2019. It is expected Manitoba's manufacturing sector to continue to contribute to growth in the next two years. However, that contribution is poised to be partly offset by intensifying weakness in mining and construction. It is also expected the non-energy mining industry to slow down sharply over the forecast as a number of facilities scale back operations in the face of depleting recoverable mineral deposits. This expected downturn in non-energy mining will also lead to further decline in construction activity in the province. A bigger factor driving this decline, however, will be the winding down of capital expenditures on Manitoba Hydro's Keeyask

Generating Station. Though expenditure on this project is slated to rise somewhat in 2018, it will wind down sharply thereafter.

The strong recovery in the manufacturing sector is among the factors heating up Manitoba's job market. Employment growth looks poised to rise by a solid 1.6% in 2017 following a disappointing decline of 0.4% in 2016. And is expected the unemployment rate in 2017 to drop to 5.4% from 6.1% in 2016. That being said, the projected slowing in economic growth in the next two years will slow further labour market progress in the next two years. Forecasted employment growth to moderate to 1.1% in 2018 and 0.9% in 2019, and the jobless rate to ease to 5.1% and 5.0%, respectively.

Western Regional Group's Proposed Meeting Schedule

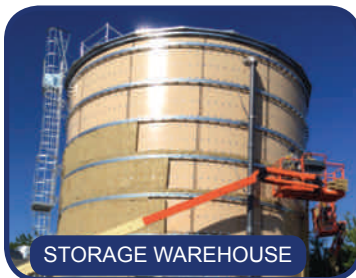
- BCRG – March 13, 2018, at 7am, Hall # 2, Fort Langley
- ABRG – March 20, 2018, at 9am, Hampton Inn, Red Deer
- MB/SK RG – March 21, 2018, at 8am, 4 Points Sheraton, Winnipeg Airport

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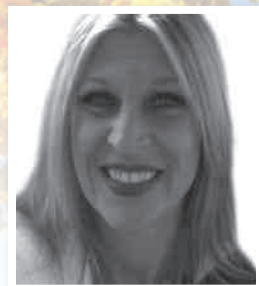
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> Ontario Regional Report

I would like to wish everyone a very Happy New Year, may 2018 be an even more successful and prosperous year for our industry.

It has been almost a year that the SFPI Trade, 427A has been compulsory and it has not come without its challenges in terms of identifying the do's and don'ts laid out in the Scope of Practice. We are confident that with the cooperation from OCOT and industry stake holders we will overcome these challenges.

GAGE which is the acronym for the "Graduated Apprenticeship Grant for Employers" is an incentive to employers that was launched by the Ontario Government in November 2017. It is a grant to assist the employer with the training of Apprentices.

Any apprentice registered after November 14 is automatically enrolled with no application to complete and you could receive up to \$16,700 to train an apprentice.

You could receive bonuses of \$2,500 if your apprentice is from an underrepresented group- a couple of examples of these groups would be Women and Indigenous people.

Employers with apprentices registered in an eligible apprenticeship program on or before November 14, 2017 are not eligible for the Graduated Apprenticeship Grant for Employers but may be eligible to receive support through the Apprenticeship Training Tax Credit.

For more information click on the link <https://www.ontario.ca/page/graduated-apprenticeship-grant-employers>

Speaking of women in our industry, this year we will be highlighting many of these brilliant and dedicated women working in all capacities in the Fire Sprinkler Trade. They are Owners, Journey persons, Apprentices, Salespeople, Designers, Coordinators. CASA has been speaking with them and gaining insight into their day to day in the office and in the field. They will share their stories with us on how they juggle work and home life in order to find balance between the fast-paced high



demands of our trade. You will be delighted and enlightened to hear their stories and know that within your industry we are honoured to work with such confident, driven women.

Please sign up for CASAnotes for this exciting future publishing, you will not want to miss it.

Simply click on the link and enter your information <http://www.casa-firesprinkler.org/casanotes/>

Our President, John Galt speaks of the Federal Bill C-243, which is the National Maternity Assistance Program strategy to support women who are unable to work due to pregnancy. For further information, please read the President's Report.

CASA staff along with our Ontario Regional Group Chairman, Steve Spearing from Viking Fire Protection, presented a cheque in the amount of \$23,091.28 to SickKids and Camp BUCKO in January. We raised another record year from our 2017 ORG Annual Golf Tournament and this could not be done without the strong support from our members.

CASA would like to thank our Sponsors, our Members and also our Ontario Regional Golf Committee for dedicating their time to another successful tournament.

Mark your calendars for our upcoming 2018 ORG Annual Golf Tournament which will be held on Thursday, September 20th at Lionhead.

I would like to take a moment to remind you to please refer to our Ontario page on the CASA website for the latest updates pertaining to Ontario. From the home page, click on Member Resources at the top, then click on Ontario to your left. If there is something you find to be of value to the region that is not listed, don't hesitate to contact me.

Our Annual Conference will be held in P.E.I. this coming June. One of our speakers will be talking about Prompt Payment/ The Construction Lien Act which you won't want to miss.

Our next Ontario Regional Group Meeting will be on April 5, the Centre for Health and Safety, 5110 Creekbank Road and please note the new start time of 8:00am.

HIGHLIGHTS FOR 2018

- Women in our Trade Article / Bill C-243
- CASA's Annual Conference
 - June 24-26 in P.E.I.
 - Legal Marijuana in The Canadian Workplace
 - Prompt Payment / Construction Lien Act
- CASA's Ontario Regional Group's Annual Golf Tournament on September 20th at Lionhead

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> Atlantic Regional Report

Well so far, the winter of 2018 has been as they say an Old Fashioned Winter. Extreme cold and snow in locations throughout the entire country as well as many locations south of the border that would not normally contend with these types of weather conditions.

Along with the cold weather comes freeze ups and there have been plenty. The first time I have ever seen CNN reporting on anything like this when the sprinkler system located in the baggage area of JFK Airport New York froze and expelled large amounts of water causing delays and turmoil.

Atlantic Canada has had it's share as well. Of course, when there is damage to sprinklered facilities the news hounds are out looking for a story. They tend to focus on the damage incurred and the inconvenience that tenants will endure. They are not concerned or care on reporting the cause or that the system had been subject to freezing temperatures. Majority of the cases reported are the failure to provide adequate heat and are not a reflection of how the sprinkler system was installed. In some cases when extreme cold weather is forecast, building owners or managers lower the heating temperatures during off hours to save energy. Definitely would be great if the media would take the time to get the full story detailing cause as well as results.

A recent fire at Fenwick Tower a 30+ floor apartment building down town Halifax was a prime example. The Halifax Newspaper which circulates throughout the province again reported on water damage from a sprinkler discharge and how the residents will be displaced for an extended period. The article made it sound as if the entire building had water damage. All the focus was on water damage. Nothing in regards to how things may have turned out should a sprinkler system not been present. I contacted the newspaper and although not able to speak to the reporter left a message to call me. Still have not had a reply.

I contacted a local CTV Atlantic station and explained to the reporter (Ron Shaw) that the real story here was not the water damage or the shut down of the building but how the sprinkler activated as intended and controlled the fire. Following a bit of a clean up most residents will be back in their apartment units before the evening. Mr. Shaw agreed and said he would follow up and try and get it on the evening segment.

The owner of the building had been contacted and they agreed to issue a statement in regards to how well the fire sprinkler system & fire alarm operated in controlling and annunciating the fire with minimal damage and down time. There were several interviews with building residents praising the fire protection systems and the fire service. All were extremely pleased & relieved they would be getting back into their homes within hours. With the help of the sprinkler contractor the building owner and a CTV reporter willing to listen and agreeing there is a better story here, a very negative morning newspaper article was

turned into a 6pm CTV news report that put a sprinkler save in a better and more realistic light.

In the past I have tried several times to get the local news media to revisit articles they have published regarding fires and the operation of sprinkler heads and explain what the results would have been if sprinklers had not been installed and how different the outcome would be. They have not been receptive and in one case insulted that I was questioning the article and their journalism ability.

As frustrating as it is everyone in the industry should continue to press the news media to report on the positive aspects of a sprinkler save. Getting an early jump on it is imperative and getting the correct information is important such as ignition source, number and even type of sprinkler heads that operated. The responding sprinkler contractor that gets the call should make sure his representative reflects everything in a positive frame as well and obtains as much information as possible in regards to the situation. The sooner we can get the correct information the better chance we have of putting a more favourable story out there.

The past year has been a mixed bag for Atlantic Canada sprinkler contractors with New Brunswick & Prince Edward Island hours on the up side over the previous year. Nova Scotia hours were down slightly and Newfoundland Labrador still feeling the effects of the down turned economy and are hoping 2018 will be the turning point.

The Newfoundland Labrador Compulsory Certification application has been in the hands of the Apprenticeship & Trades Certification Division since November and was scheduled for the 2nd phase of approval December 14th 2017 but the board had advised me they have rescheduled it for it's March meetings.

The long awaited new Nova Scotia Trade & Convention Centre downtown Halifax opened January 12th. This equates to 1/3 of the total project called The Nova Centre. The remainder of this project a hotel and office are still underway but nearing completion.

The next meeting for the Atlantic Regional Group is scheduled for 10am February 7th at the Nova Scotia Construction Association 134 Eileen Stubbs Ave. Dartmouth, NS.



The hardest part of the install is deciding where to go for lunch.

Potter's IntelliGen™ Nitrogen Generators provide easy, quick installation with an intelligent automated setup.

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General Air Products Introduces New Wall Mount Nitrogen Generators

General Air Products has been producing the NGP Series Fire Protection Nitrogen Generator line for seven years and is happy to offer the new Wall Mount models to complement its complete line of dry pipe system filling solutions that also includes standard air compressors, dry air, and accessories.

General Air Products announced an expansion of the NGP Series Fire Protection Nitrogen Generators to include General's NGP Series Quiet Wall Mount Units. The Wall Mount Nitrogen Generators utilize a simple, low-profile design ready to be connected to a new or existing fire sprinkler system. All General Air Products Nitrogen Generators are fully tested and assembled, turn-key packages.

Wall Mount Units include a Q - Series quiet fire protection air compressor (designed to provide a 20 dBA drop from our standard OL), that provides 30 minute fill for dry systems up to 200 gallons and nitrogen maintenance for up to 1200 gallons.

Units also include all air filtration equipment, a 30 gallon nitrogen storage tank, and a PLC controller for data recording and simplified operation. General Air Products Wall Mount Nitrogen Generators provide a reliable and efficient method of producing a minimum of 98% nitrogen at the point of usage which will inhibit corrosion, improve the life of the system piping, and reduce system maintenance needs. Utilizing a simple design that minimizes maintenance requirements and maximizes lifetime, our Nitrogen Generators are built to the highest quality standards – the same standards the fire sprinkler industry has come to expect from any product that carries the General Air Products name.

As always, all of our products come backed by the best lifetime customer service and technical support in the industry. For more information, please visit www.generalairproducts.com or call 800-345-8207.



Potter Electric Adds Capital, Focus On Growth

Potter Electric Signal Company, LLC of St. Louis, Missouri USA, announces a partnership with Gryphon Investment Group, a leading private equity firm focused on short and long term growth. This partnership is an opportunity for Potter to strengthen its business while providing customers with even better technology and customer service.

Potter has strengthened its 120-year reputation by expanding the business and bringing exciting new technology to the industry. All while maintaining the exceptional customer service that has long been its trademark. The company is proud to provide service and support that, while uncommon in the industry, is what customers truly deserve. This is how Potter separates itself from the competition. Potter's approach to business is to treat its customers with respect, providing them the tools to operate successfully. Potter's partnership with the Gryphon Investment Group will provide Potter the capital to better serve their customers, bring more exciting new technology to the industry, and continue its growth as a global leader in the fire and life safety industry.

Bernard Lears, President and CEO of Potter said, "We're extremely excited about the opportunities presented to us in partnering with Gryphon. This is the next step in Potter's growth, and we can't wait for our customers to see the benefits."

About Potter

Developing products for fire sprinkler monitoring systems, corrosion solutions, electronic fire systems and vault/safe security systems has been Potter Electric Signal Company's job for over a century. Potter's reputation for quality and service has been the catalyst towards its focus for the design, development, and manufacture of the highest quality and most reliable life safety products available today.

About Gryphon Investors

Based in San Francisco, Gryphon Investors (www.gryphoninvestors.com) is a leading private equity firm focused on profitably growing and competitively enhancing middle-market companies in partnership with experienced management. Gryphon prioritizes investment opportunities where it can form proactive partnerships with owners and executives to build leading companies, utilizing Gryphon's capital, specialized professional resources, and operational expertise.

Johnson Controls' Tyco® line of ESFR sprinklers meet UL salt spray corrosion test requirement

Johnson Controls announces that its Tyco® line of Early Suppression Fast Response (ESFR) sprinklers has successfully passed all testing requirements for the fourth edition of Underwriters Laboratories (UL) 1767 compliance program for salt spray corrosion.

The following Tyco ESFR sprinklers successfully meet the testing requirements:

- Model TY6236 – K14.0 (202) ESFR Pendent Sprinkler
- Model TY7223 – K16.8 (242) ESFR Pendent Sprinkler
- Model TY7229 – K16.8 (242) ESFR Dry Type Pendent Sprinkler
- Model TY9226 – K25.2 (363) ESFR Pendent Sprinkler

The compliance program, which has a deadline of Nov. 1, 2018, addresses resistance of sprinklers to environmental conditions by conducting the UL salt spray exposure test in both the vertical up and vertical down positions.

ESFR sprinklers are designed with fast response thermal elements that rapidly detect heat from a fire and operate the sprinkler to discharge water to suppress a fire. Due to the potential for a rapid-

growth fire in storage applications, it is imperative that the ESFR sprinkler thermal element maintain its integrity over time.

Automatic fire sprinklers may be subject to environmental conditions that could negatively impact the sprinkler's ability to effectively address a fire. As a result, testing agencies such as UL perform a number of environmental exposure tests to validate the robustness of the sprinkler's materials and coatings to ensure adequate performance.

One of these tests is the UL 10-day salt spray corrosion test. Historically, this test was performed with the sprinkler in its intended position of use (e.g., a pendent sprinkler was tested in the vertical down position). In order to further increase and validate the robustness of a sprinkler, UL added a new requirement whereby ESFR sprinklers were tested in both the vertical down and vertical up positions regardless of the intended position of use.

For more information, visit <http://www.tyco-fire.com/>. For questions or support, contact Tyco technical services at 1-800-381-9312.



Johnson Controls announces new Tyco® RFIII Extended Coverage Horizontal Sidewall Sprinkler, rated for light hazard occupancies

Flat profile design conceals sprinkler in architecturally sensitive installations

Johnson Controls announces the new Tyco® RFIII Extended Coverage Horizontal Sidewall Sprinkler. This 8.0 K-factor sprinkler is rated for light hazard occupancies and designed to provide protection for coverage areas up to 16 feet by 24 feet (4,9 meters by 7,3 meters) and 18 feet by 22 feet (5,9 meters by 6,7 meters).

The RFIII features a unique flat cover that conceals the sprinkler within the wall, making it an ideal choice for architecturally sensitive installations, such as hotel rooms, reception areas, banquet facilities, conference rooms and hospitals. In addition to a clean look, the sprinkler's flat profile helps prevent damage and interruption from accidental activations caused by objects being hung from or striking the sprinkler. The cover plate assembly is available in a variety of standard colors, as well as factory-painted custom colors for a seamless, discreet design option.

The push-on closure of the sprinkler allows for ½ inch (12,7 millimeters) of adjustment. The quick response unit also features a sprinkler activation temperature of 160°F (71°C) and a cover plate temperature rating of 139°F (59°C). The sprinkler is UL- and C-UL-listed.

The RFIII joins the Johnson Controls family of Tyco aesthetic sprinklers, which includes RFII flat-plate concealed pendant sprinklers, also available in a range of standard and custom colors, and the Raven Studio sprinkler, available in custom colors or with a paint-in-place escutcheon.

For additional information about the RFIII Extended Coverage Horizontal Sidewall Sprinkler, including the technical data sheet and installation guidelines, visit www.Tyco-Fire.com or contact your local Johnson Controls fire suppression products representative.



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2018

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Hall of Fame Inductees

2018 Inductees

Joe Lukes	1985	Grinnell (Ontario / British Columbia)
Martin Veltman	1991	Concept Fire (AMS, Ontario)

2017 Inductees

Rick Allan	1984	Automatic / Wormald / Grinnell (Calgary, Alberta)
Paul Harding	1984	Grinnell / Harding Fire Protection (Toronto, Ontario)
Tim Voronoff	1986	Troy Sprinkler (Jordan, Ontario)
Marc Bosjoli	1986	Grinnell (Montreal, Quebec)

2016 Inductees

Harry Jonker	1983	Automatic Sprinkler / Constant (Calgary, Alberta)
Jim McCrum	1984	Wormald / Grinnell (Halifax, Nova Scotia)
Lorne Zallas	1985	Automatic / Grinnell (Edmonton, Alberta)
Lawrence Dudar	1986	Automatic / Grinnell (Calgary, Alberta)

2015 Inductees

Larry Humphries	1982	Vipond Inc. (Winnipeg, Manitoba)
Dave Barley	1983	Barley Sprinkler (Moncton, New Brunswick)
Dave Heaps	1983	Upper Valley (Chilliwack, British Columbia)
Ian Milne	1984	Wormald Fire Systems Inc (Mississauga, Ontario)

2014 Inductees

James (Jim) Lewell	1979	Eastward Sprinkler (Dartmouth, Nova Scotia)
Denny Featherstonehaugh	1980	Vipond Inc. (Mississauga, Ontario)
David Pannabaker	1981	Adam Clark Ltd (Hamilton, Ontario)
Mel Farren	1982	Bennett & Wright / Vipond Inc. (Toronto, Ontario)

2013 Inductees

R. Flanagan	1977	Vipond Inc. (Mississauga, Ontario)
L. Fronczak	1980	Grinnell Fire Protection (Toronto, Ontario)
M. Broom	1982	Vipond Inc. (Mississauga, Ontario)
R. Chidwick	1983	Automatic Sprinkler / Wormald Fire Systems / Chidwick Fire Systems (Brehin, Ontario)

2012 Inductees

K. Morgan	1974	Vipond Inc. (Mississauga, Ontario)
A. Cooke	1975	Automatic Sprinkler Ltd (Burnaby, British Columbia)
J. Paquette	1975	Viking Fire Protection Ltd. (Montreal, Quebec)
A. Charbonneau	1975	A.C. Safety Fire Services Ltd. (St. Leonard, Quebec)

2011 Inductees

D. Brown	1971	Roberts Sprinkler Ltd (Montreal, Quebec)
K. Graham	1972	Grinnell Fire Protection / Viking Fire Protection (St. John, New Brunswick) / (Halifax, Nova Scotia)
P. Van Gaalen	1972	Viking Fire Protection (Vancouver, British Columbia)
G. Ouellette	1973	Rockwood Fire Protection (Montreal, Quebec)

2010 Inductees

A Simmons	1969	Vipond Inc. (Mississauga, Ontario)
P.E. Vincent	1969	Scotia Sprinklers (Halifax, Nova Scotia)
J. Murray	1970	Grinnell Co. of Canada Ltd. (Edmonton, Alberta)
R. Duncan	1970	Duncan Reynolds Ltd. (Toronto, Ontario)

2009 Inductees

F. Bottomley	1965	Duncan Reynolds Ltd. (Toronto, Ontario)
B.G. Edwards	1966	Viking Automatic Sprinkler Ltd. (Toronto, Ontario)
G.E. Mansell	1966	FYR - Fyter Company of Canada Ltd. (Bramalea, Ontario)
William Clark	1967	Canadian Automatic Sprinkler Association (Toronto, Ontario)
W.G. Miller	1968	Automatic Sprinkler Co. of Canada (Montreal, Quebec)

2008 Inductees

R. Robillard	1962	H.G. Vogal Co. (Canada) Ltd.
W. Wilkinson	1962	Connolly & Twizell (Sprinklers) Ltd.
C. Steine	1962	First C.A.S.A. Recording Secretary (Toronto, Ontario)
J.H. Bates	1963	Worcester - Rockwood Ltd. (Montreal, Quebec) First Chairman of Membership & Nominations Committee
A. Jurisson	1964	Automatic Sprinkler Co. of Canada (Halifax, Nova Scotia) One of First Trustees of Fire Sprinkler Pension Plan

2007 Inductees

J.H. Petit	1941	Dominion Sprinkler Co. (Montreal, PQ)
R.W. Higginson	1947	Automatic Sprinkler Co. Of Canada (Montreal)
H.C. Jockel	1956	Grinnell Co. of Canada (Montreal)
O. Long	1957	Grinnell Co. of Canada (Toronto)
J.D. Howes	1958	Bennet & Wright Contracting Ltd. (Toronto)
J. Priest	1958	Vipond Automatic Sprinkler Co. (Toronto)
W.A. Hewines	1959	Bennet & Wright Contracting Ltd. (Toronto)
C Height	1959	Vipond Automatic Sprinkler Co. (Toronto)
W.J. Clark	1960	Adam Clark Limited (Hamilton, Ontario)
A.M. Jones	1961	Grinnell Co. of Canada (Vancouver)
R.L. Milne	1961	Automatic Sprinkler Co. Of Canada (Montreal)
G.Vipond	1961	Vipond Automatic Sprinkler Co. (Toronto)

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