

**From:** "Johnston, Sadhu" <Sadhu.Johnston@vancouver.ca>

**To:** "Direct to Mayor and Council - DL"

**CC:** "City Manager's Correspondence Group - DL"  
"Reid, Darrell" <Darrell.Reid@vancouver.ca>

**Date:** 10/23/2019 12:08:22 PM

**Subject:** RE: Past presentations on fireworks and safety

**Attachments:** Memo - consumer fireworks.msg  
VFRS-ADM-Council Fireworks Briefing Feb 25 final.pptx

Greetings Mayor and Council,

As requested by Cllr Fry, please find attached a past presentation regarding fireworks. This was presented by VFRS staff at a Council Briefing on February 26, 2013.

Also attached is a more recent memo sent to Mayor and Council on Nov 22, 2018, which provides an overview of:

- ☐ issues associated with the sale and use of consumer fireworks in Vancouver;
- ☐ the regulation currently in place governing such use; and
- ☐ consideration by previous Councils regarding the expansion of permitted use.

Please let me know if you have further questions.

Best,  
Sadhu

Sadhu Aufochs Johnston | City Manager  
Office of the City Manager | City of Vancouver  
604.873.7627 | [sadhu.johnston@vancouver.ca](mailto:sadhu.johnston@vancouver.ca)

Pronouns: he, him, his



*The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the Musqueam, Squamish, and Tsleil-Waututh peoples.*

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**From:** Fry, Pete  
**Sent:** Tuesday, October 22, 2019 12:21 PM  
**To:** Johnston, Sadhu  
**Cc:** Direct to Mayor and Council - DL  
**Subject:** Past presentations on fireworks and safety

Hi Sadhu

I'm wondering if it's possible to share some of the City's past power point presentations regarding fireworks and safety, please

**Pete Fry** | City Councillor

City of Vancouver | 453 W 12<sup>th</sup> Avenue

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From: "Mochrie, Paul" <Paul.Mochrie@vancouver.ca>

To: "Direct to Mayor and Council - DL" <CCDTMACDL@vancouver.ca>

CC: "City Manager's Correspondence Group - DL" <CMCG@vancouver.ca>  
"Reid, Darrell" <Darrell.Reid@vancouver.ca>

Date: 11/22/2018 11:49:45 AM

Subject: Memo - consumer fireworks

Attachments: VFRS OEM - Memo to Council - 2018- Fireworks\_2018\_11\_22.pdf

Good morning Mayor and Council,

In response to questions received recently from Councillors, please find attached for your reference a memo from VFRS that provides an overview of the following matters:

- issues associated with the sale and use of consumer fireworks in Vancouver;
- the regulation currently in place governing such use; and
- consideration by previous Councils regarding the expansion of permitted use.

Should you require any additional information regarding this matter, please feel free to contact Chief Reid or me.

Best,  
Paul

**Paul Mochrie** | Deputy City Manager  
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FIRE & RESCUE SERVICES  
OFFICE OF EMERGENCY MANAGEMENT  
Fire Chief/General Manager  
Darrell Reid

## MEMORANDUM

November 22, 2018

TO: Sadhu Johnston, City Manager

CC: Paul Mochrie, Deputy City Manager  
Darrell Reid, Fire Chief

FROM: Robert Renning, Manager Community Safety / Fire Chief, Fire and Rescue Services

SUBJECT: Consumer Fireworks

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As requested, the following summarizes the status of consumer fireworks in the City: what is allowed, and whether we have considered allowing them for more cultural events.

### Current Regulations

In 2004, Council approved amendments to the Fire Bylaw to establish regulations regarding the dates during which consumer fireworks could be possessed and discharged and the types of consumer fireworks which were lawful. Through the City's Fire By-law, the City regulates the health and safety of persons, and fire protection of buildings and properties in the City. The use of family fireworks is controlled under the Vancouver Fire Bylaw. Further federal regulations also apply under Natural Resources Canada.

In 2007 Council approved further amendments to the Fire By-law to restrict the purchase and discharge of fireworks to individuals holding a permit issued by the Fire Chief.

The City of Vancouver fire bylaw currently restricts the sale of fireworks except between October 25<sup>th</sup> and October 31<sup>st</sup> of each calendar year. Permit holders must be 19 years of age or older and successfully complete the fire department (on line) education and test regarding handling of fireworks. It further states that a permit holder shall only discharge consumer fireworks on October 31<sup>st</sup>, or if October 31<sup>st</sup> falls on a Sunday, on October 30<sup>th</sup>.

In addition to October 31<sup>st</sup>, the Fire By-law does allow fireworks to be purchased and discharged by a certified pyrotechnician, on any day of the year but only under a permit issued by the Fire Chief and with appropriate insurance coverage. When issuing such a permit, a number of safety considerations would be taken into account and safety plans would be submitted and reviewed.

### **Previous Council Motion regarding Community Consumer Fireworks Program**

On July 25, 2012, Council passed a motion directing Vancouver Fire and Rescue to look into the possibility of expanding the use of consumer fireworks. The motion identified New Year's Eve, Lunar New Year, Canada Day, BC Day and Vaisakhi as dates for consideration in this regard.

Together with staff from the Park Board, Vancouver Fire and Rescue Services conducted extensive research and consultation with many internal and external stakeholders. Research showed that many lower mainland communities surrounding the City of Vancouver had banned fireworks due to excessive property damage, injuries and costs to the communities. These included North Vancouver, Coquitlam, Port Coquitlam, Pitt Meadows, Maple Ridge, Richmond, Delta, Surrey, Langley, Langley Township, Abbotsford, Mission, Victoria, and Seattle WA. Other communities were also moving towards or planning a fireworks ban, including Edmonton, Calgary and Brampton.

Consideration of an expanded Community Fireworks program was based on the following concept. The proposal included banning the use of fireworks on private property and non-designated public property and allowing restricted community firework events on designated public property such as parks and community centers. Additionally, the use of consumer fireworks would be expanded to five dates during the year: New Year's Day, Lunar New Year, Halloween, Vaisakhi and Diwali. Community organizations would have first priority on applying for a combined Parks and Fire Permit. The permit would stipulate requirements of the applicant for providing safety to the public, and for carrying a certain amount of liability insurance.

As details of the program were developed, a range of potential consequences were identified that represented risks to public safety and to the City of Vancouver. Several key stakeholders, including BCSPCA, Vancouver Coastal Health, the Vancouver School Board and Parks senior staff, also conveyed concerns regarding the expanded use of consumer fireworks.

The above concept was presented to Council on February 26, 2013 and approved in principle, subject to further consultation with the Park Board and a report back to Council with a detailed implementation plan, including the specific locations at which consumer fireworks would be permitted.

Upon further analysis and input by staff in Finance, Law, Engineering and Parks, staff reached the conclusion that there it was not advisable or practical to implement the framework discussed with Council in February 2013. This matter has been in abeyance since early 2014, although staff have presented reports to Council since that time that address other regulatory issues related to fireworks.

## **Historical and Continued Concerns regarding Consumer Fireworks**

Over the years, Council has adopted many proactive measures aimed at curbing the number of injuries and property damage caused by fireworks during Halloween. However, many City of Vancouver departments continue to be affected by their use. Each year, Vancouver Police Department calls for service dramatically increase during the five days leading up to October 31<sup>st</sup>. Vancouver Fire and Rescue Services have been compiling damages and cost over the last 12 years and found that the average fire loss per year due to the use of consumer fireworks is \$379,000.00. This year, first responders from Vancouver Fire and Rescue and Vancouver Police had fireworks directed at them during community patrols of Parks and Schools.

Each year, during the period of October 25<sup>th</sup> to October 31<sup>st</sup> staff from VFRS Fire Prevention Division is redirected away from fire inspection and enforcement of “at-risk buildings” and directed at fireworks enforcement in an effort to limit the misuse of fireworks or illegal products that make their way into the City of Vancouver. Enforcement against persons illegally using fireworks continues to be problematic due to the difficulty in determining the exact location of the fireworks discharge or the identity of the persons using them.

Fireworks are dangerous explosive items that can burn up to 1000 degrees Celsius. Safety guidelines published by Natural Resources Canada requires a minimum 30m x 30m (100' x 100') clear space be used when setting off fireworks. The typical Vancouver lot is only 10 m wide. Also, the increase in urban density in the city exposes a higher number of people and pets to the negative effects of fireworks. Due to the fact that these items cause tremendous property damage, stress, injury or death, Vancouver Fire and Rescue Services recommends against expanding the use of fireworks.

A handwritten signature in black ink, appearing to read 'R. Renning', with a stylized, looped design.

Robert Renning  
Deputy Chief / Community Safety





# Vancouver City Council Briefing

## Consumer Fireworks Update February 26, 2013





## Council Motion

“BE IT RESOLVED THAT Vancouver City Council instruct staff to explore and report back to City Council with recommendations for additional but limited periods of consumer fireworks sales and discharge similar to the current allowance in place for Halloween.”





# Types of Fireworks

## Definitions:

**“Consumer Fireworks”** (no certification required)

The fireworks that you can buy over the counter at corner stores at Halloween. Does not include “bangers, roman candles or firecrackers” which are illegal.

**“Display Fireworks”** (certification is required)

The professional fireworks used in big shows such as the Celebration of Lights. Requires certification administered by the Explosives Regulatory Division of Natural Resources Canada.



# Illegal yet prevalent fireworks



Roman  
Candles



Bottle  
Rockets

Firecrackers



M80s



# 2013 Status

Over the past 12 years Council has taken several proactive steps to assist with managing negative impacts of fireworks related to Halloween.

## Status in 2013:

### Sales of consumer fireworks:

- allowed only during week prior to Halloween
- \$250 permit required for retailer
  - most are pop-up stores (in business for 1 week)

### Use of consumer fireworks:

- must be 19 years or older
- requires permit
- permit must be shown at time of purchase
- permit must be available for inspection while using fireworks
- use allowed only on Halloween evening
- use restricted to private property with property owners' permission





# Fireworks in other jurisdictions

Consumer Fireworks Banned	Consumer Fireworks Allowed
City of North Vancouver	Vancouver
Coquitlam	West Vancouver
Port Coquitlam	North Vancouver
Pitt Meadows	Port Moody
Maple Ridge	Burnaby
Richmond	Halifax
Delta	Montreal
Surrey	Toronto
Langley Township	Winnipeg
Mission	Saskatoon
Abbotsford	
New Westminister	
Langley City	
Victoria	
Calgary	

\* Edmonton and Brampton are planning restrictions.



# City of Vancouver: Halloween Related Damage - VFRS

YEAR	FIRES	Est. COST OF DAMAGE
2006	56	\$150,000
2007	41	*\$1,300,000
2008	39	\$500,000
2009	22	\$50,000
2010	25	\$200,000
2011	37	\$453,000
2012	16	\$97,000

\* includes transit bus destroyed  
heavy rain Halloween evening





# Vancouver School Board - 2010/11 Halloween damage



Trudeau Elementary -2010

Eric Hamber Annex - 2011  
(\$410,000 damage)





# Translink - Halloween 2007 damage







# City of Vancouver - 2012 Halloween Residential Damage

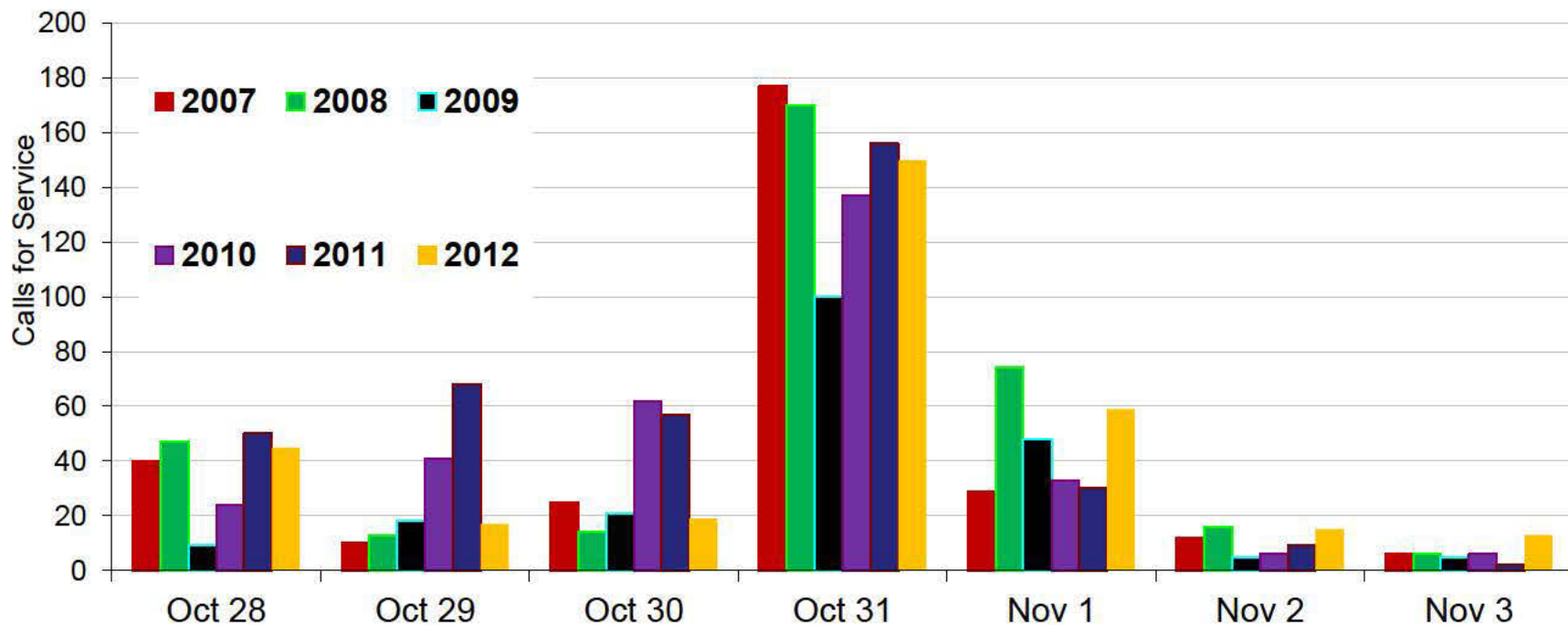




# Vancouver Police - Halloween Calls for Service

Average 309 VPD calls for Halloween related incidents each year

2007 - 2012

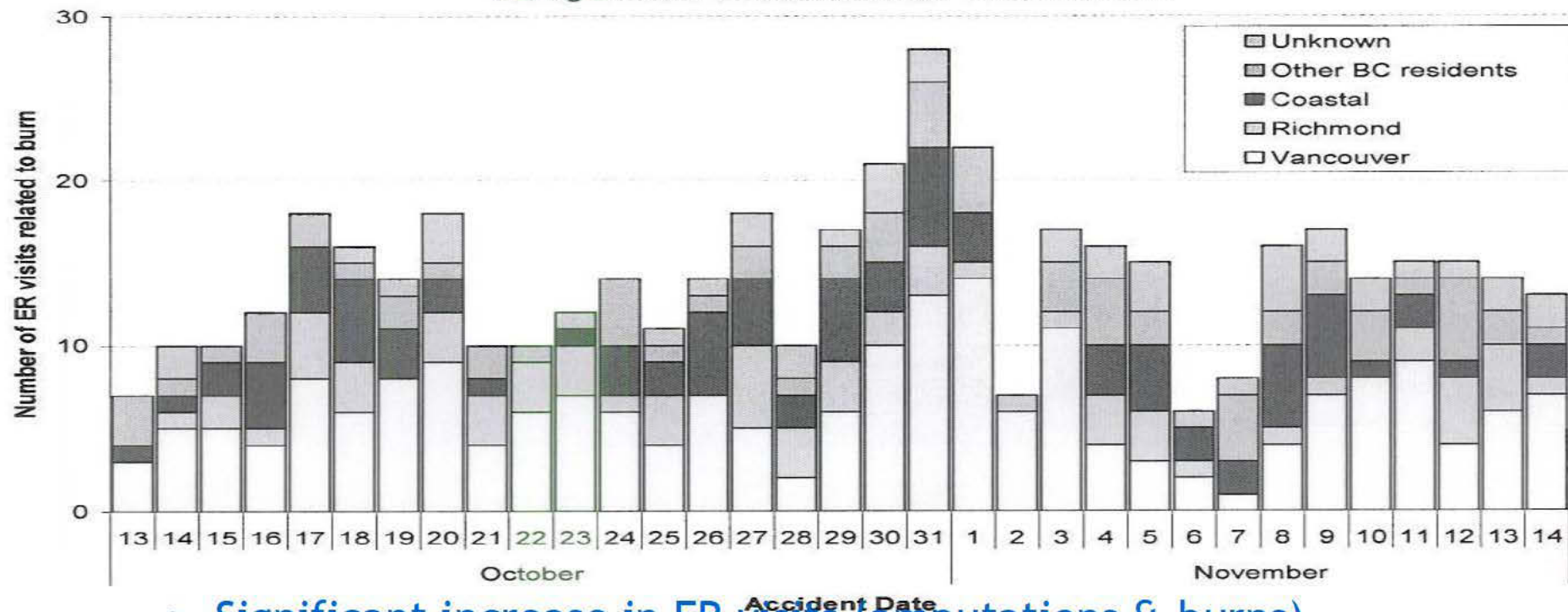






# Vancouver Coastal Health: Halloween ER Visits 2011

**Figure 3. Number of VCH Emergency Room visits related to Burn by accident date of burn occurred during October 13 and November 14 of 2008-2011**



- Significant increase in ER visits (amputations & burns)
- Majority of the victims aged 20 - 29 years
- Next largest group under 19 years





# Other Concerns With Fireworks

- Continuing widespread irresponsible and unsafe use of fireworks
- Noise and air quality complaints
- Negative impacts on seniors, children, pets and wildlife
- Standard city residential lot is too small for safe firework use
- Easy access to illegal fireworks via black market and Washington State
- Difficult and hazardous to enforce rules and seize illegal fireworks



# Summary of Evidence

- Current regulatory framework for fireworks in Vancouver does not adequately mitigate risk
- Expansion of consumer fireworks under the current framework would increase this challenge
- Other jurisdictions are further restricting or banning fireworks



# City of Vancouver: Stakeholder Feedback on Consumer Fireworks

## Vancouver Police Department and Vancouver Fire and Rescue

- *Support regulated community fireworks events during limited culturally-significant dates.*

## Vancouver School Board

- *VSB is opposed to expanding the sale and use of fireworks.*

## The Fire Chiefs' Association of B.C.

- *Recommends a ban or restricted use of fireworks.*

## SPCA

- *Supports a ban, or restricted use of fireworks.*

## Vancouver Coastal Health

- *Concerned over proposal to expand fireworks sales due to injuries, noise & air quality issues.*

## Parks Senior Staff

- *Unauthorized use of fireworks in parks is an ongoing concern.*



# Questions?

