



# City of Richmond

## Report to Committee

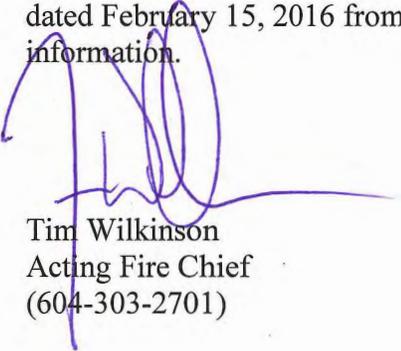
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**To:** Community Safety Committee **Date:** February 15, 2016  
**From:** Tim Wilkinson **File:** 09-5000-01/2016-Vol  
Acting Fire Chief, Richmond Fire-Rescue 01  
**Re:** **Richmond Fire-Rescue Monthly Activity Report - January 2016**

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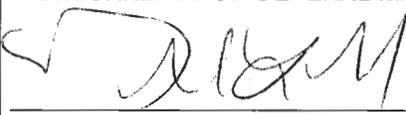
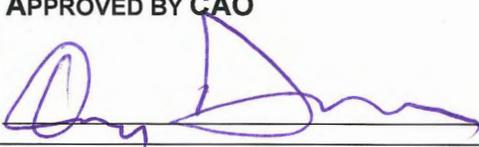
### Staff Recommendation

That the staff report titled "Richmond Fire-Rescue Monthly Activity Report - January 2016," dated February 15, 2016 from the Acting Fire Chief, Richmond Fire-Rescue, be received for information.



Tim Wilkinson  
Acting Fire Chief  
(604-303-2701)

Att. 2

REPORT CONCURRENCE	
CONCURRENCE OF GENERAL MANAGER 	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: DW
APPROVED BY CAO 	

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### Origin

This report provides Council with an update on Richmond Fire-Rescue (RFR) activities. Through the delivery of its programs and services, RFR continues to work towards the City's vision of being the most appealing, livable, and well-managed community in Canada. RFR is reporting on its activities in support of its mission:

*To protect and enhance the City's livability through service excellence in prevention, education and emergency response.*

This report supports Council's 2014-2018 Term Goal #1 A Safe Community:

*Maintain emphasis on community safety to ensure Richmond continues to be a safe community.*

### Analysis

#### Community Involvement

RFR participates in training events and community activities to advance public education and community bridge building. During January 2016 the following took place:

- Fire Safety Trailer School Visits to: Diefenbaker Elementary School, Gilmore Elementary School, Choice Independent School, Ferris Elementary School and Homma Elementary School.
- Fire Safety Presentation Air Canada Pioneers
- Fire Safety Presentation Richmond Alliance Church
- IAFF L1286 Annual Tree Chip Event at Garry Point Park
- Fire Hall Tour McKinney Elementary School

Over 1,031 children and adults attended these events where staff engaged with the community providing fire safety and harm reduction information.

Safety messaging for January focused on safe winter driving, winter safety and pedestrian safety. Facebook posts and fire hall sign messages were used to share key safety points regarding RFR's focus areas.

#### Emergency Response

Richmond Fire-Rescue's goal is to respond to events in an efficient and effective manner where loss of life, reduction of property damage and protection of the environment is mitigated.

There were 15 fires in January 2016. Fire losses during the month are estimated at \$47,100. This total includes \$46,100 for building loss and \$1,000 for content loss. The total building and content value at risk was estimated to be \$4,475,000, and the total value preserved was \$4,427,900. These numbers translate to 99% of value protected (Figure 1).

<b>Incident Type Breakdown</b>	<b>Call Volume</b>	<b>Estimated Building Value (\$)</b>	<b>Estimated Building / Asset Loss (\$)</b>	<b>Estimated Content Value (\$)</b>	<b>Estimated Content Loss (\$)</b>	<b>Estimated Total Value Preserved (\$)</b>
Residential: Single family	1	479,000	30,000	-	-	449,000
Multi family	3	750,000	-	45,000	-	795,000
Commercial / Industrial	3	-	-	-	-	-
Fire – Outdoor	4	2,900,000	1,100	1,000	1,000	2,898,900
Vehicle	4	300,000	15,000	-	-	285,000
<b>Totals*</b>	<b>15</b>	<b>4,429,000</b>	<b>46,100</b>	<b>46,000</b>	<b>1,000</b>	<b>4,427,900</b>

\*The dollar losses shown in this table are preliminary estimates. They are derived from RFR's record management system and are subject to change due to delays in reporting and confirmation of actual losses from private insurance agencies (as available).

Fire crews minimized loss and limited the fire to the place of origin in notable January 2016 incidents:

- Commercial fire at a recycling business on Knox Way. Arriving crews found heavy smoke coming from a large bay. On site employees had tried to extinguish the fire with house lines and two had to be assessed for smoke inhalation by BC Ambulance services. A water supply was established and attack lines were used in the building to quickly contain the fire.
- Kitchen fire on Lancing Road. On arrival crews responded quickly to stop the fire which was contained to the kitchen area.
- Car fire on Springmont Road. Crews connected to a nearby hydrant to extinguish the fully involved car fire.
- Car fire on Truno Drive. Crews arrived to find the engine compartment and rear bumper fully involved in fire. The fire was quickly mitigated by RFR crew.

RFR crews responded to multiple serious incident calls, including:

- Motor vehicle incident on No 3 Road close to the Canada Line where a garbage truck was on its side with the driver trapped inside the cab of the truck. There were fluids leaking from the truck also causing environmental concerns. RFR crews used auto extrication to free the driver from the vehicle and the Canada Line authorities were contacted to assess for structural damage. No. 3 Rd was shut down for about 3 ½ hours until the wreckage could be safely cleared.
- Medical assistance provided to a young girl in cardiac arrest on Steveston Highway. The patient did not survive.
- Medical assistance provided to a male who had been bitten on the face by a dog on Musgrave Crescent. BC Ambulance Services attended scene along with the RCMP.
- Medical assistance provided to a male in cardiac arrest on Granville Avenue. CPR and Automated External Defibrillator were used until BC Ambulance arrived and took over medical care.
- Medical assistance provided to a male in cardiac arrest on Williams Road. CPR and an Automated External Defibrillator were used until a Do Not Resuscitate (DNR) was presented.
- Rescue assistance was provided to a person trapped in an upside down vehicle on Highway 99. Crews used the Jaws of Life to extricate the patient. The patient was then transported to hospital by BC Ambulance Services.
- Aircraft standby provided by RFR crews at Vancouver Airport for reports of a bomb threat. Attended scene with RCMP in command until stood down.
- Aircraft standby provided by RFR crews at Vancouver airport. A large aircraft coming into land was experiencing difficulties with a brake. Onsite Emergency Response Services extinguished and cooled. RFR stood by until fire incident resolved.

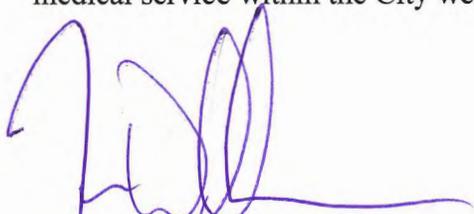
A summary of 9-1-1 emergency response statistics is found in Attachment 1, in Tables 1, 2, 3 and 4. The location of fire, medical and motor vehicle incident calls in January 2016 are depicted in Attachment 2, in Figures 1, 2 and 3.

### **Financial Impact**

None

## Conclusion

RFR strives to deliver service excellence through prevention awareness focused and based on the belief that prevention, education and emergency response activities must be well established and integrated to have a positive impact on community safety. In the month of January, the calls for medical service within the City were constant, wide and varied.



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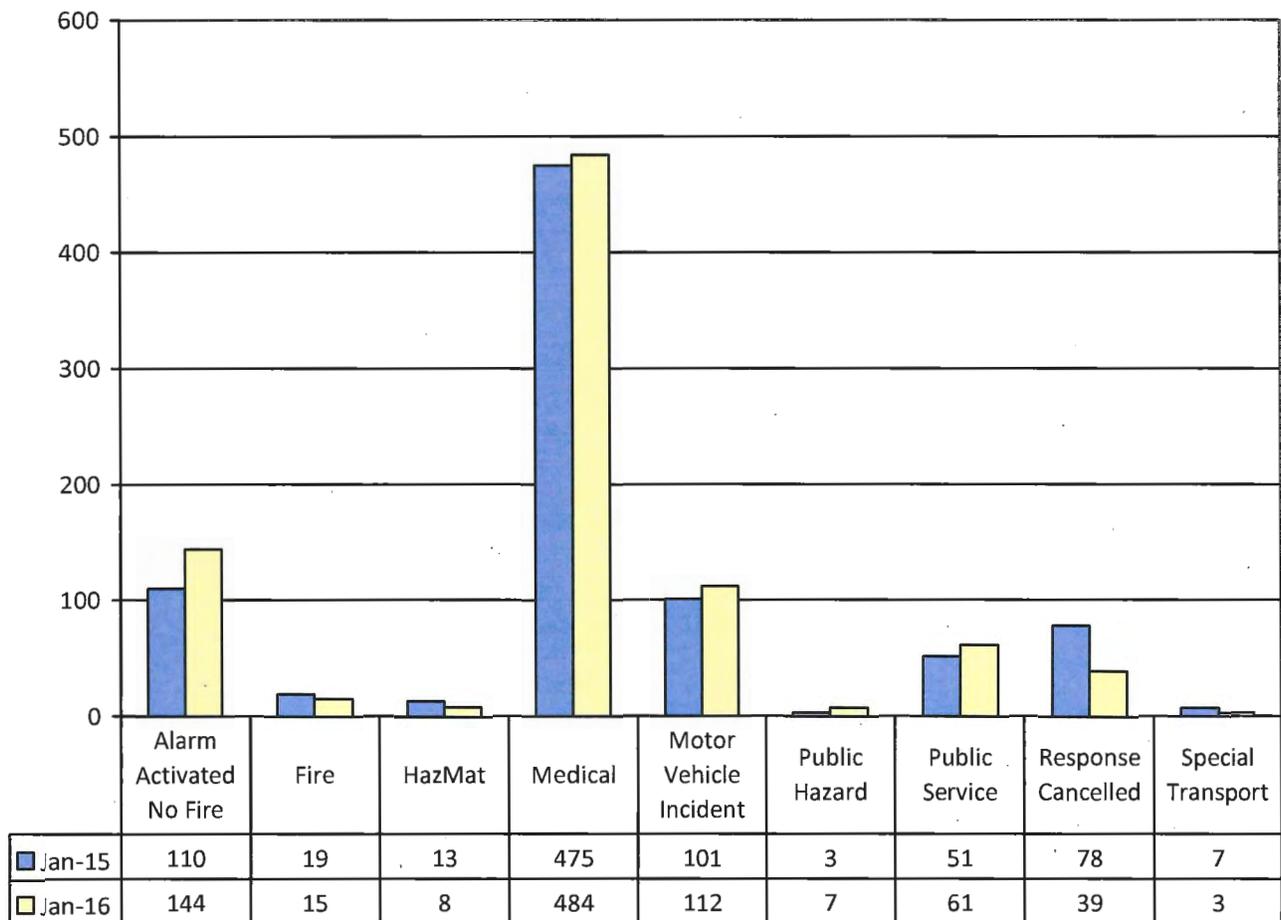
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Att. 1: Suppression Activity  
Att. 2: Location of January's Fire, Medical and MVIs

**Suppression Activity**

The following chart provides a month to month comparison regarding incidents occurring in January 2015 and 2016. In January 2016, there were a total of 873 incidents, compared to 857 in January 2015. This represents an increase of 1.9%. The increase in call volumes was primarily in medical and motor vehicle incident related incident types.

**Table 1: January 2015 & 2016 Calls for Service Volumes**

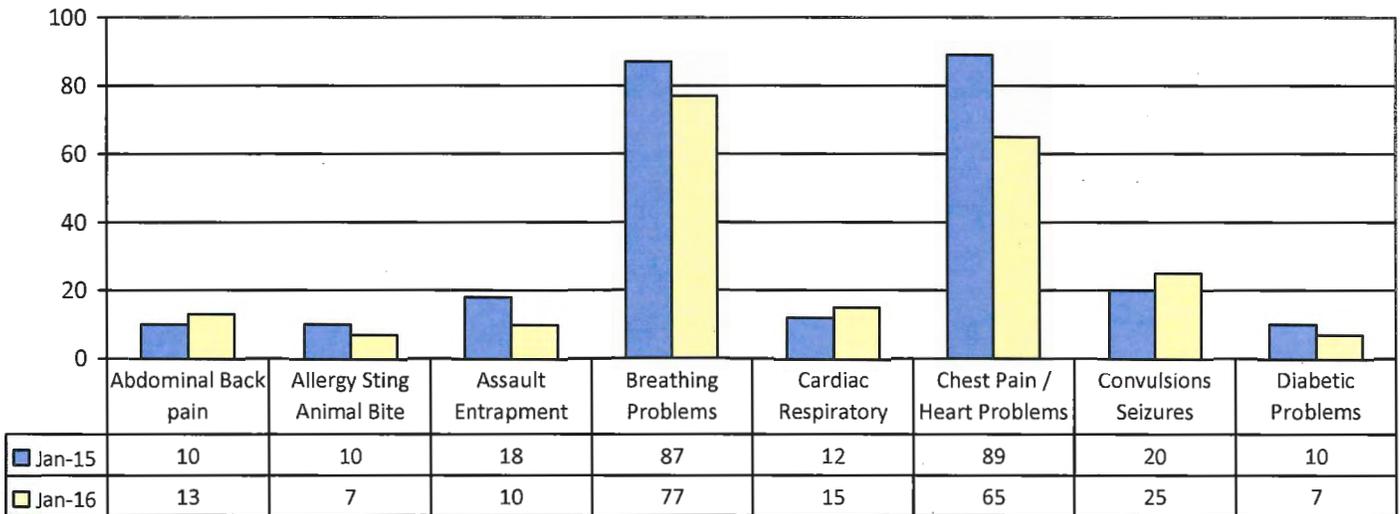


**Call Type Legend:**  
*HazMat*: includes fuel or vapour; spills, leaks, or containment  
*Medical* includes: cardiac arrest, emergency response, home or industrial accidents  
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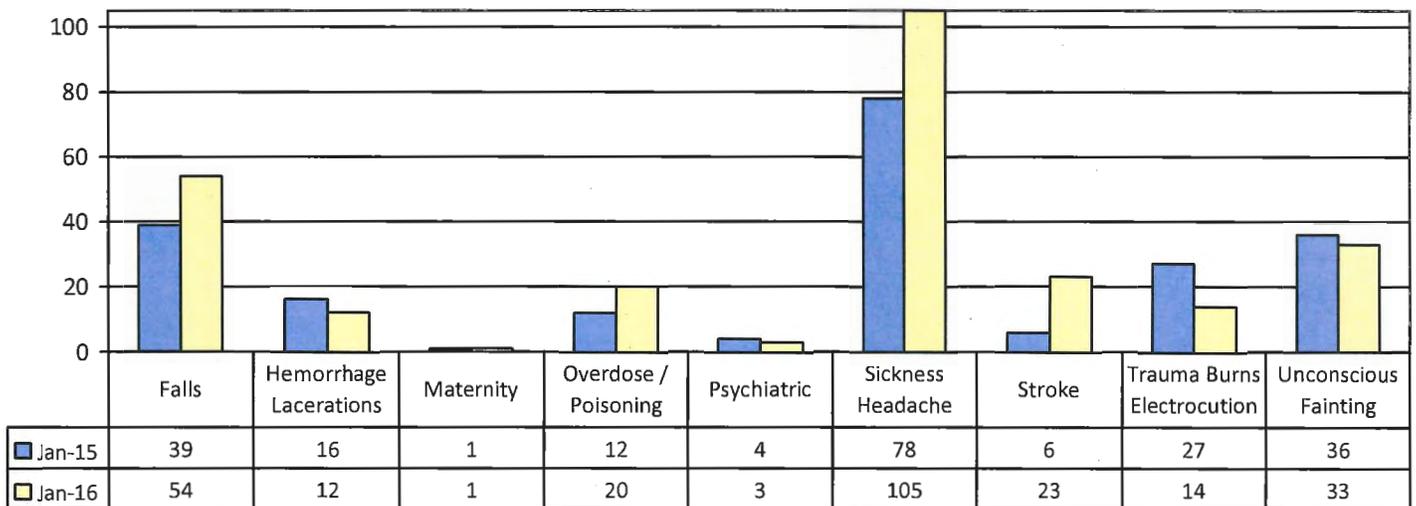
**First Responder Totals**

Medical First Responder incidents comprised 55% of the total emergency responses for RFR during the month of January. A detailed breakdown of the medical incidents for January 2015 and 2016 is set out in the following table by sub-type. There were a total of 484 medical incidents in January 2016 compared to 475 in January 2015, an increase of 1.9%.

**Table 2a: January 2015 & 2016 Medical Calls by Type**



**Table 2b: January 2015 & 2016 Medical Calls by Type**



## Fire Investigations

The fire investigation statistics for January 2016 are listed below:

<b>Table 3: Total Fire Investigation Statistics – January</b>			
	<b>Suspicious</b>	<b>Accidental</b>	<b>Undetermined</b>
Residential - Single-family	-	-	1
Residential - Multi-family	-	1	2
Commercial/Industrial	-	-	3
Fire – Outdoor	2	1	1
Vehicle	1	1	2
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>9</b>

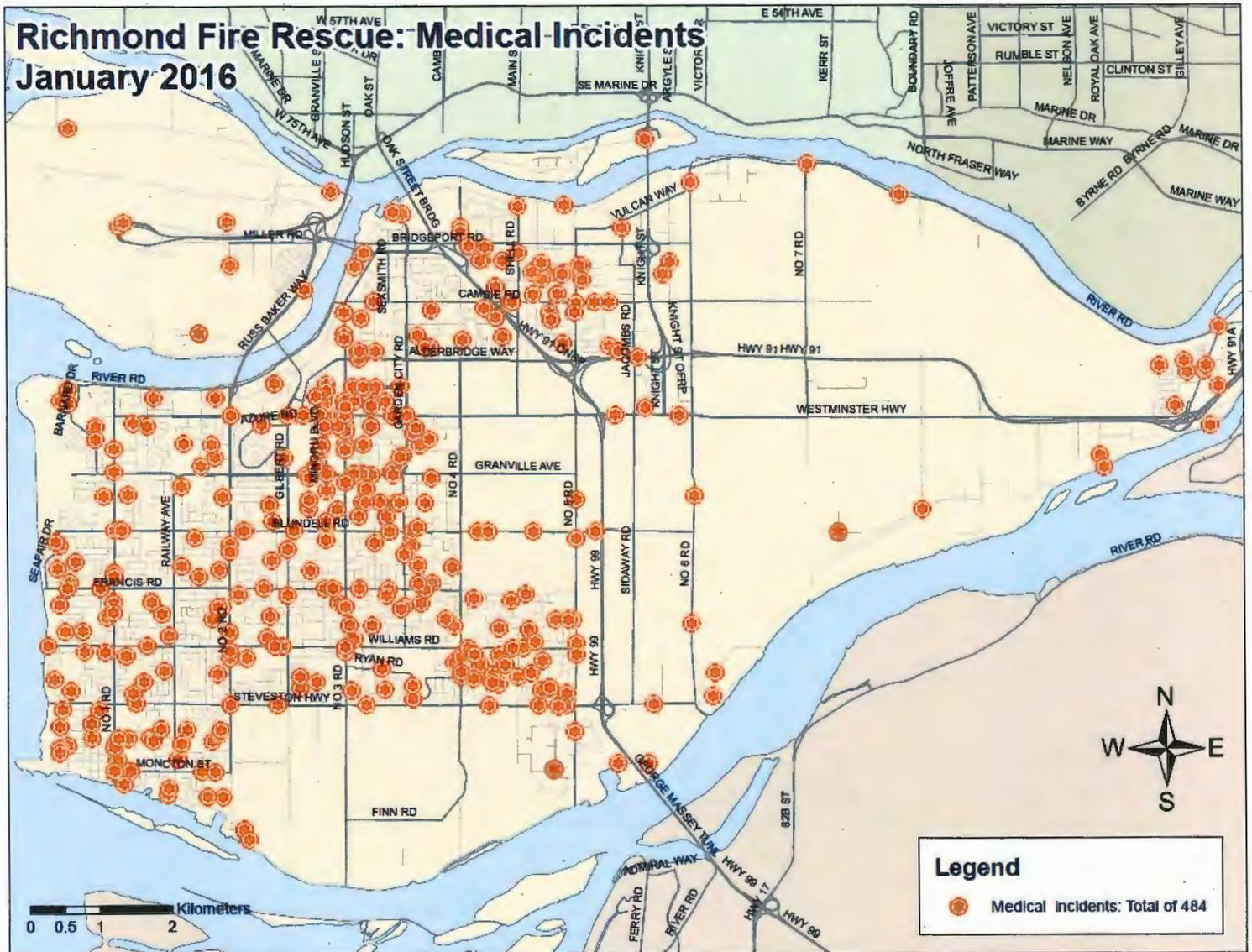
All suspicious fires are reported to the RCMP, and Richmond Fire-Rescue Investigators work in conjunction with staff at the RCMP to address any risks to the community.

## Hazardous Materials

<b>Table 4: HazMat Calls By Type – January</b>	
	<b>Details</b>
Natural Gas / Propane Leaks (small)	6
Flammable / Combustible Liquids	2
<b>Totals</b>	<b>8</b>



Figure 2: Location of medical calls in January (total 484)





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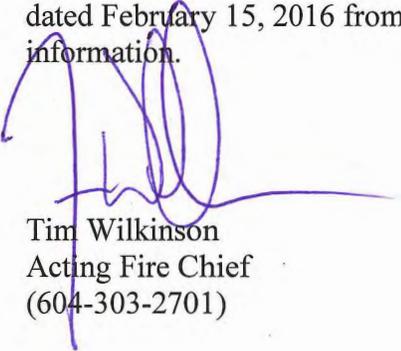
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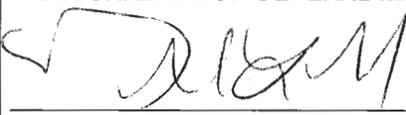
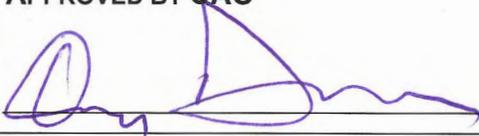
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**Figure 1: Fire Calls By Type and Loss Estimates – January 2016**

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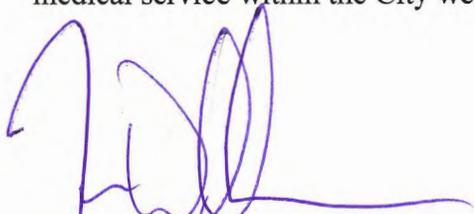
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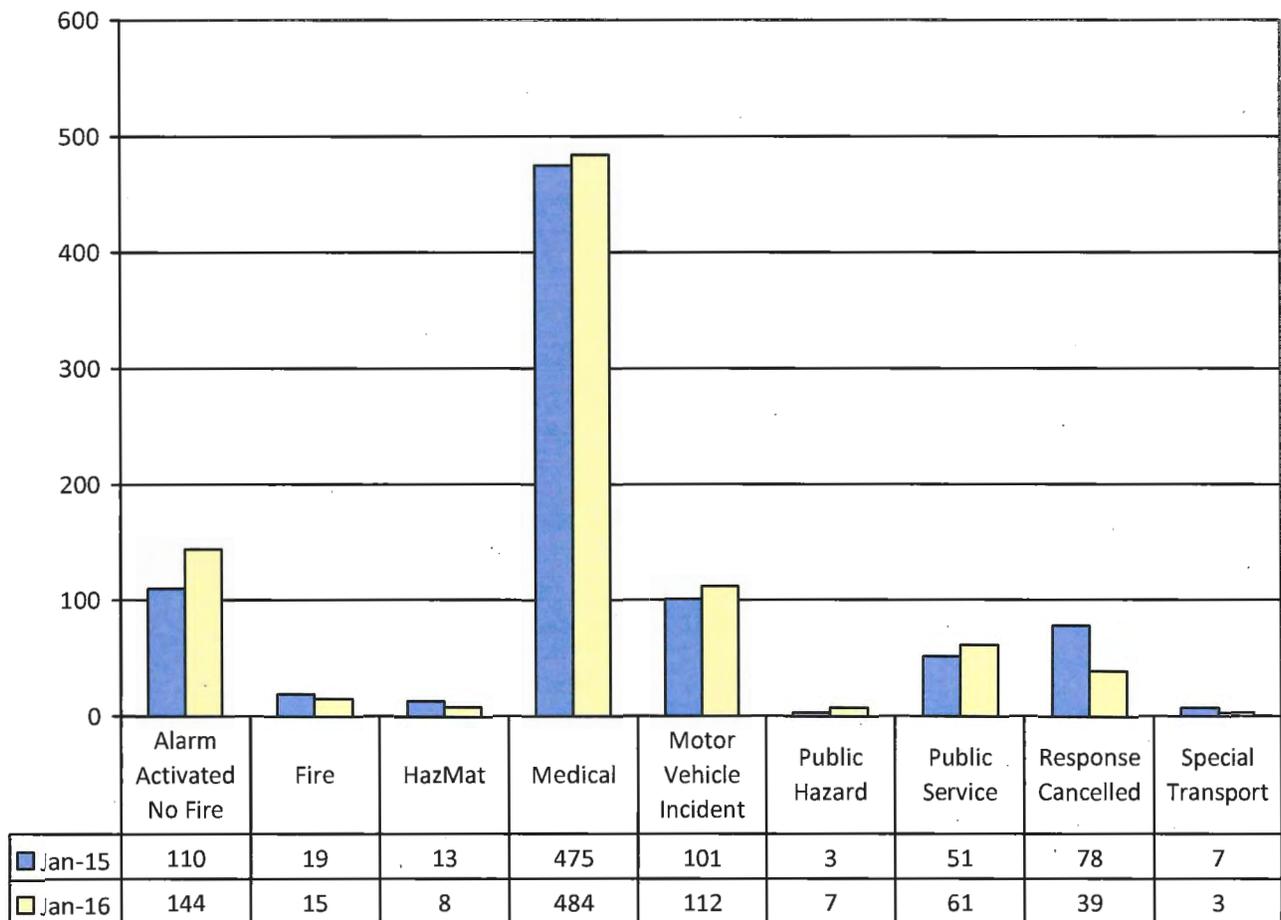
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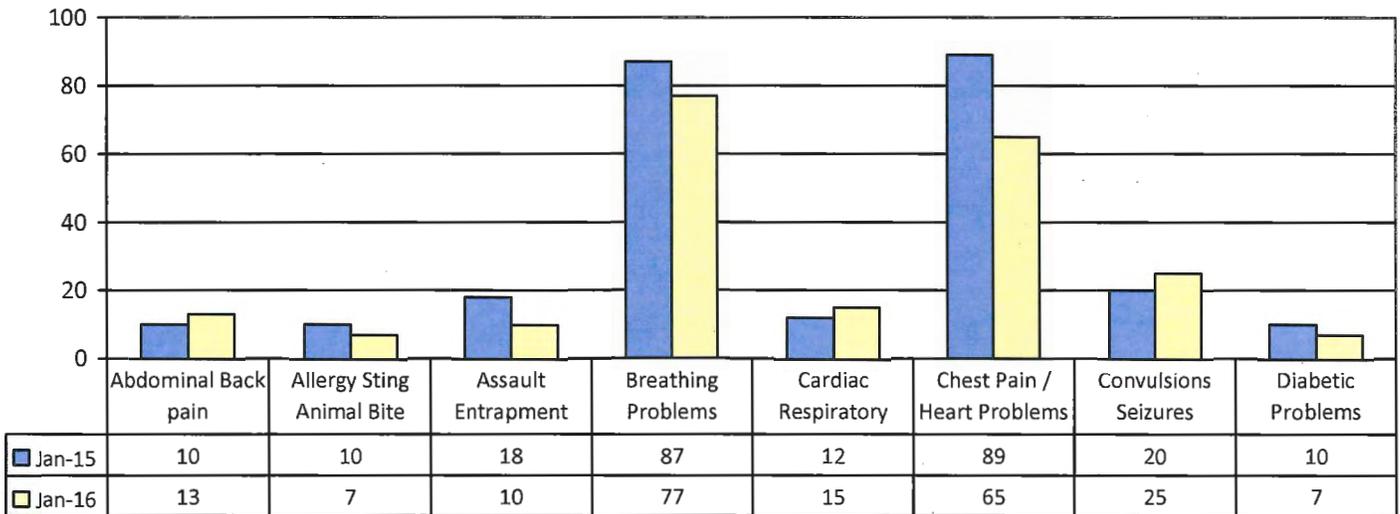


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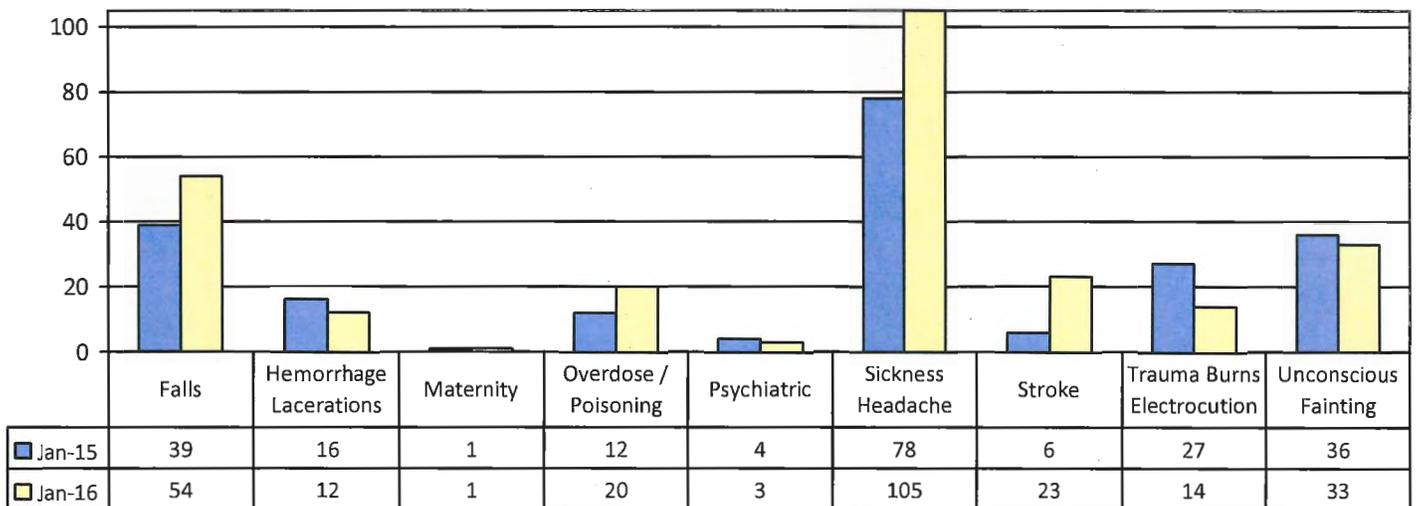
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