

# Pemberton Fire Rescue Annual Report



# ENGINE 1

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**Message from  
Fire Chief Robert Grossman**

I am pleased to submit the Annual Report for the Pemberton Fire Rescue Fire Department for 2018.

The report offers an insight into the efforts and achievements that the Fire Department has accomplished over the past year and allows its readers to gain an insight into the services we offer to our citizens.

This report will outline call volumes, fire prevention efforts, public fire education initiatives, professional development achievements, and other significant accomplishments made by our personnel and the department over the past year.

I am proud to be associated with the men and women who comprise our fire department. They are a dedicated, efficient, and highly skilled group of individuals who selflessly strive to offer a service that our community can be proud of.

I would like to thank Council for their continued support of our efforts and achievements. It is recognized that Council determines the level of service that we provide, and further that Council recognizes the important role that our firefighters play in making our community safe.

We look forward to your continued support.

Robert Grossman  
Fire Chief

## **MISSION STATEMENT**

The preservation of life and property within the Pemberton area  
To promote fire safety and deliver educational programs  
To cooperate with other organizations within the community in the event of an emergency

## **Primary Goal of the Pemberton Fire Rescue Department**

The goal of the fire department is to provide fire protection, and road rescue services through a range of programs designed to protect the lives and property of the inhabitants from the effects of fires, sudden medical emergencies or exposure to dangerous conditions created by man or nature; first to their municipality; second, to those municipalities which are provided fire protection by the fire department via authorized agreements; and third, to those municipalities requiring assistance through authorized emergency fire service plan and program (mutual aid) activities

## **Risk Management**

Risk Management We may risk our lives, in a calculated manner, to save savable human lives. We will not risk our lives at all for a building or lives that are already lost. We may only risk our lives a little in a calculated manner, to save savable property. We will not trade a life for a life.

## Area Covered by Pemberton Fire Rescue

The Village of Pemberton Fire Rescue is a volunteer department that provides service to the residents of the Village of Pemberton (Village of Pemberton Bylaw No. 807, 2016). In addition, the existing Fire Service Agreement with the Squamish-Lillooet Regional District (SLRD) establishes that fire protection services are provided to Pemberton Meadows (SLRD Bylaw No.1082, 2008), Pemberton Heights (SLRD Bylaw No. 1083, 2008) and the Pemberton Fire Protection Specified Area as defined within the Agreement.

The Fire Department also provides Road Rescue Service, which encompasses all of Squamish Lillooet Regional District Area C, which involves responding to motor vehicle accidents which can involve extricating patients from the vehicle as well as assisting patients to the Ambulance, as required.

Pemberton Fire Rescue also provided services to the residents of the Lil'wat Nation through a service agreement

A map provided below shows the area covered by Pemberton Fire Rescue road rescue services and Fire Service agreements

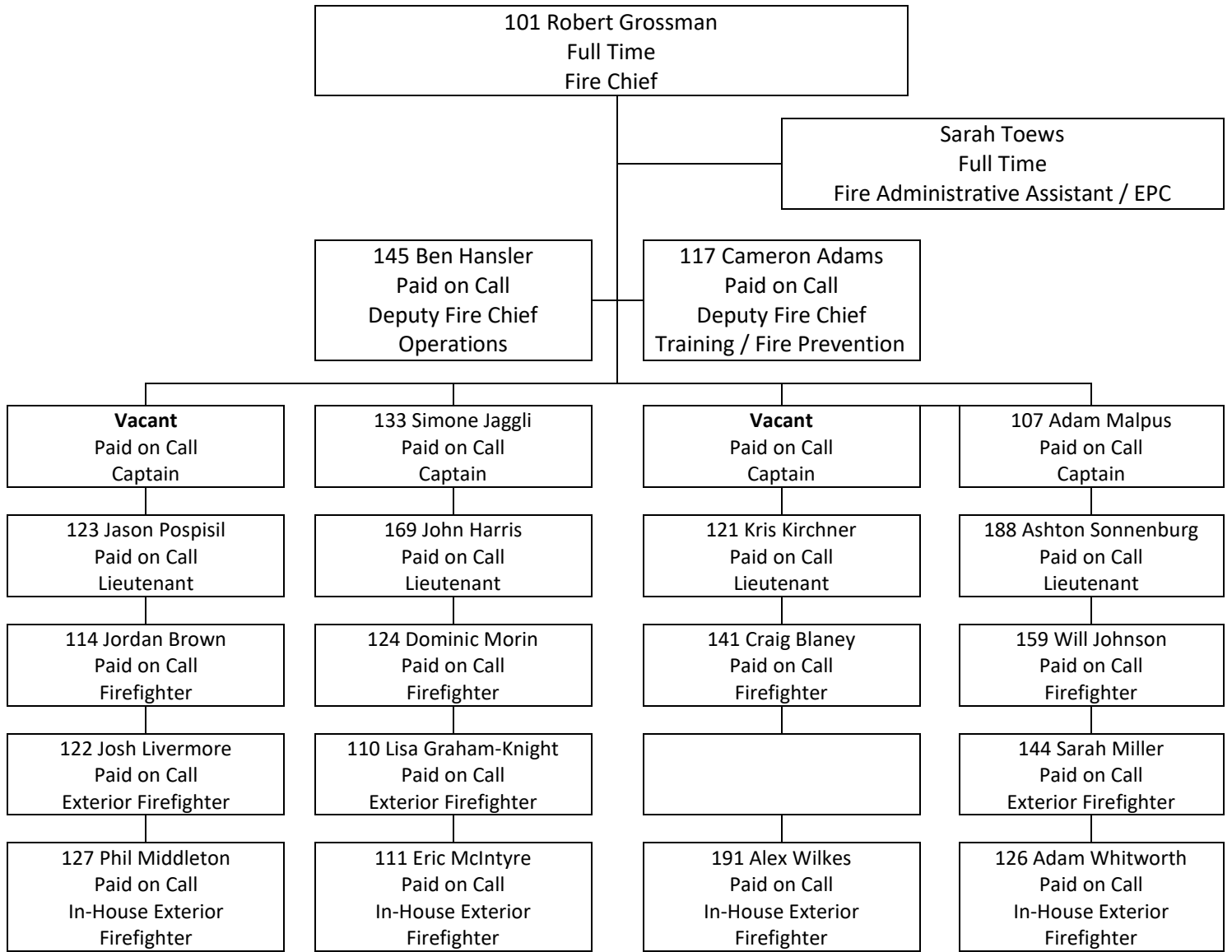


### **Primary Objectives of the Fire Department:**

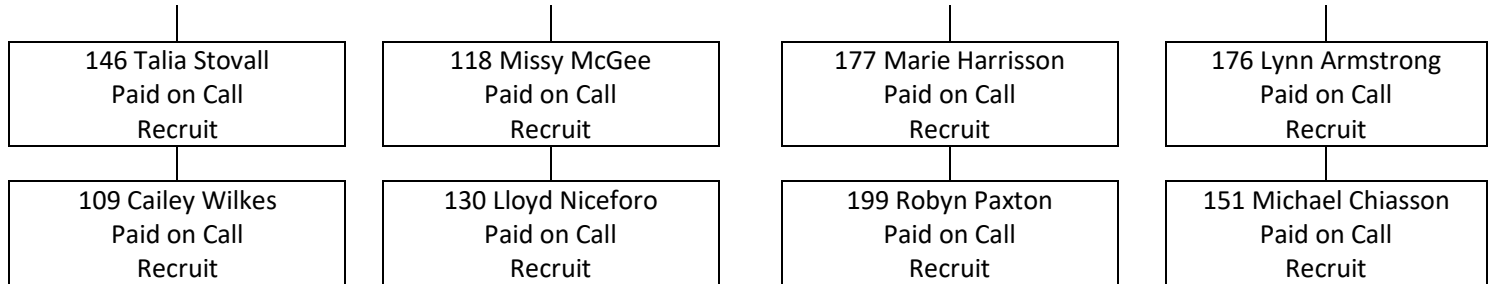
In order to achieve the goal of the fire department, necessary funding must be in place and the following objectives met:

1. Identify and review the fire services requirements of the municipality.
2. Provide an administrative process consistent with the needs of the department.
3. Ensure that firefighting equipment are maintained and available within the municipality to provide adequate response to a citizen's call within a reasonable length of time.
4. Provide departmental training to an accepted standard which will ensure the continuous up-grading of all personnel in the latest techniques of fire prevention, firefighting and control of emergency situations and to co-operate with other municipal departments with respect to management training and other programs.
5. Provide a maintenance program to ensure all apparatus, is ready to respond to emergency calls.
6. Provide an effective fire prevention program
7. Develop and maintain an effective public information system and educational program, with particular emphasis on school fire safety programs; and commercial, industrial and institutional staff training.
8. Ensure in the event of a major catastrophe in the municipality, assistance to cope with the situation is available from outside departments and other agencies.
9. Develop and maintain a good working relationship with all federal, provincial and municipal departments, utilities and agencies, related to the protection of life and property.
10. Interact with other municipal departments respecting the aspects of fire on any given program.
11. Ensure these objectives are not in conflict with any other municipal department.

**Organizational Structure  
Pemberton Fire Rescue Department 2018**



**Recruits**



## 2018 Pemberton Fire Rescue Members

|   |                       |     |                       |
|---|-----------------------|-----|-----------------------|
| <b>Fire Chief</b>   | Robert Grossman       | 22  | Years of Fire Service |
| <b>Part Time Administrative Assistant</b>                 | Sarah Toews           |     |                       |
| <b>Paid on Call Deputy Chief - Operations</b>             | Ben Hansler           | 16  | Years of Fire Service |
| <b>Paid on Call Deputy Chief Training/Fire Prevention</b> | Cameron Adams         | 9   | Years of Fire Service |
| <b>Paid on Call Captain</b>                               | Adam Malpus           | 7   | Years of Fire Service |
| <b>Paid on Call Captain</b>                               | Simone Jaggli         | 9   | Years of Fire Service |
| <b>Paid on Call Lieutenant</b>                            | Jason Pospisil        | 16  | Years of Fire Service |
| <b>Paid on Call Lieutenant</b>                            | John Harris           | 7   | Years of Fire Service |
| <b>Paid on Call Lieutenant</b>                            | Kris Kirchner         | 5   | Years of Fire Service |
| <b>Paid on Call Lieutenant</b>                            | Ashton Sonnenburg     | 7   | Years of Fire Service |
| <b>Paid on Call Firefighter</b>                           | Jordon Brown          | 6   | Years of Fire Service |
| <b>Paid on Call Firefighter</b>                           | Craig Blaney          | 3   | Years of Fire Service |
| <b>Paid on Call Firefighter</b>                           | Dominic Morin         | 3   | Years of Fire Service |
| <b>Paid on Call Firefighter</b>                           | Will Johnson          | 2   | Years of Fire Service |
| <b>Paid on Call Interior Firefighter</b>                  | Lisa Graham Knight    | 2   | Years of Fire Service |
| <b>Paid on Call Interior Firefighter</b>                  | Josh Livermore        | 2   | Years of Fire Service |
| <b>Paid on Call Exterior Firefighter</b>                  | Sarah Miller          | 2   | Years of Fire Service |
| <b>Paid on Call Exterior Firefighter</b>                  | Eric McIntyre         | 1   | Years of Fire Service |
| <b>Paid on Call Exterior Firefighter</b>                  | Phillip Middleton     | 1   | Years of Fire Service |
| <b>Paid on Call Exterior Firefighter</b>                  | Adam Whitworth        | 1   | Years of Fire Service |
| <b>Paid on Call Exterior Firefighter</b>                  | Alex Wilkes           | 1   | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Lynne Armstrong       | 0.5 | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Marie-Helene Harrison | 0.5 | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Missy McGee           | 0.5 | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Lloyd Niceforo        | 0.5 | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Robyn Paxton          | 0.5 | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Talia Stovall         | 0.5 | Years of Fire Service |
| <b>Paid on Call Recruit</b>                               | Cailey Wilkes         | 0.5 | Years of Fire Service |

Pemberton Fire Rescue has a total of 125 combined years of Fire Service.

### Promotions

There were a number of promotions for 2018.

Cameron Adams was Promoted to Deputy Chief Training / Fire Prevention

Simone Jaggli was promoted to Captain. The first female Captain for Pemberton Fire Rescue

John Harris, Kris Kirchner, Ashton Sonnenburg, and Jason Pospisil were promoted to Lieutenants.

## Retirements

The following retirements took place during 2018:

Jason McEwan after 14 years of service due to work and life commitments.

Melissa Sutherland after 1 year of service due to family and housing.

Nina Van Driel after 4 years of service to spend more time with family.

Kyle Hennessey after 2 years of service due to housing issues moved away

Diondi Tan after 1.5 years of service for another job in a different location.

## New Recruits

In September of 2018 Pemberton Fire Rescue started its recruit process and in December accepted 9 new recruits.

## Awards and Recognitions

Firefighter of the Year was given to Simone Jaggli

Rookie of the Year was given to Adam Whitworth

Most Improved Firefighter of the year was given to Kristopher Kirchner.

Outstanding Firefighter of the year was given to Simone Jaggli for most attendance to incidents and training.

Paid on Call Firefighter Jordan Brown received their 5-year Service Award.

## Total Hours each member contributed to Pemberton Fire Rescue for 2018

The Fire Chief works a total of 1820 hours as a regular employee for the Village of Pemberton. On top of these regular hours an additional 1187.57 hours were done this includes 207.57 hours for Incidents, 141 hours of training, and 705 hours of standby time to meet the FUS requirements of an officer on duty 24 hours per day 7 days a week.

Each member is employed full time elsewhere and works on average 1950 hours away from home.

Each member on average puts in approximately 207.57 hours for incidents, 141 hours of training. Officers also put in on average 1152 hours for standby time.

| <b>Rank</b>          | <b>Work Hours</b> | <b>Incident Hours</b> | <b>Training Hours</b> | <b>Standby Hours</b> |
|----------------------|-------------------|-----------------------|-----------------------|----------------------|
| <b>Fire Officers</b> | 1950              | 207.57                | 141                   | 1152                 |
| <b>Firefighters</b>  | 1950              | 207.57                | 141                   | -                    |

On average each incident was approximately 1.75 hours in 2018. The more incidents that occur the more times a member is away from home. As incidents increase the incident hours continue to grow.



# Fire Department Apparatus

## Engine 1 2017 Spartan Metro Star X Front-Line Engine



### Specifications;

#### Chassis;

Spartan Metro Star X, MFD 10 inch raised roof

47,000 LB GVWR; 20,000 LB Front / 27,000 LB Rear

Diesel Engine, Cummins ISL9 450 HP EPA 2013 Automatic Transmission, Allison 3000 EVS

#### Pump

Hale Mid-ship DSD 15001500 USGPM (5678 LPM) (1250 IGPM) at 150 PSI

Foam System Foam Pro 2001 Class A

#### Tank

975 IG (1110 USG) Poly Tank 25 IG (30 USG) Single Integral Foam Tank



## Ladder 1 1999 Spartan Gladiator 75' Ladder Truck Frontline Ladder



### Specifications;

#### Chassis;

Spartan Gladiator

Anderson Built Smeal Ladder Truck

52,000 LB GVWR

Diesel Engine, Detroit Series 60 475 HP Automatic Transmission, Allison

#### Pump

Hale Mid-ship QSMG175-23S Pump

1500 IGPM at 150 PSI

Hale Foam Series Pump Class A and Class B

#### Tank

175 IG Poly Tank

25 IG (30 USG) Single Integral Foam Tank



Engine 10 1996 Hub Freightliner

2nd line Pumper



### Specifications;

#### Chassis;

Freightliner FL 80

34,700 LB GVWR; 12,000 LB Front / 22,700 LB Rear

Diesel Engine, Cummins 275 HP Automatic Transmission, Allison

#### Pump

Hale Mid-ship Pump 1050 IGPM at 150 PSI

Pro / portioner Foam Injection System Class A

#### Tank

975 IG (1110 USG) Steel Tank 25 IG (30 USG) Single Integral Foam Tank



**Engine 11 2006 Ford F550 4 X 4 Crew Cab, Wildland Fire unit (C.A.F.S)**



**Specifications;**

**Chassis;**

Ford F550 4 X 4 Crew Cab 4 passenger

**Pump**

Waterous 250 IGPM at 150 PSI

Waterous Foam Injection System Class A with Air

**Tank**

250 IG Poly Tank

Foam is supplied by pails with suction hoses



**Rescue 1 2011 Ford F550 4 X 4 Crew Cab Rescue Truck**



**Specifications;**

**Chassis;**

Ford F550 4 X 4 Crew Cab 4 passenger

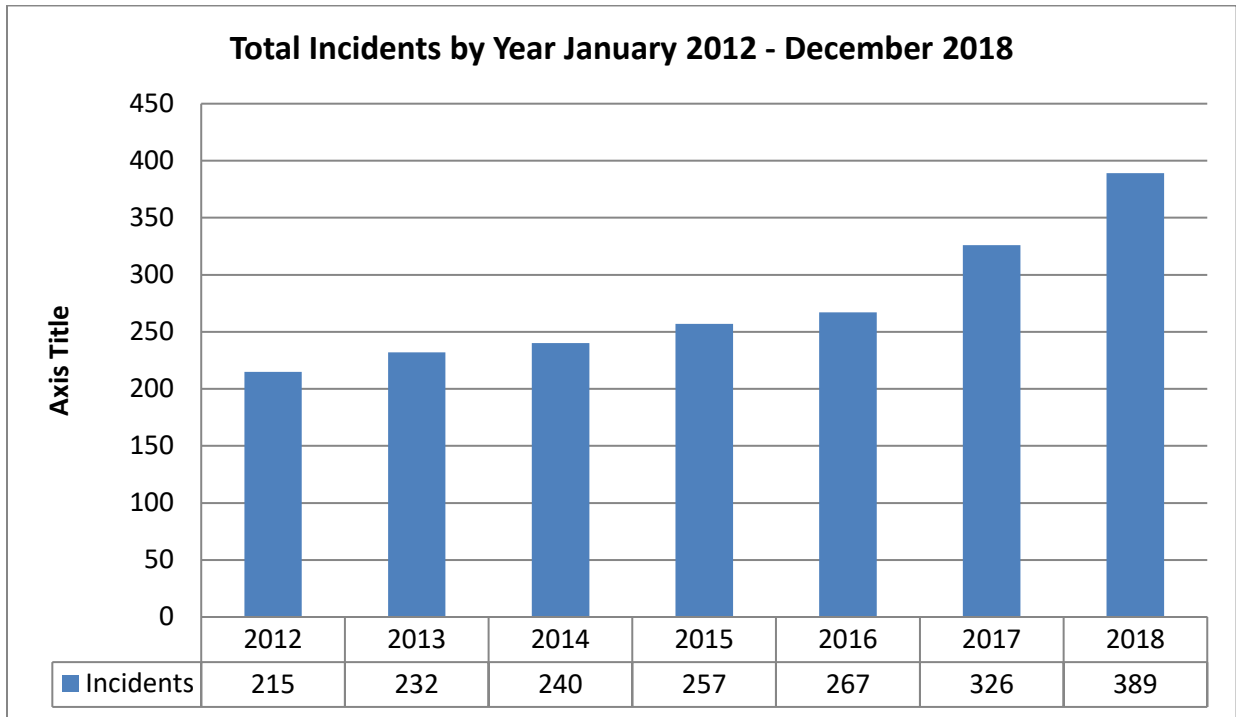
**2009 Interstate Cargo Utility Trailer**

used for Hazmat, Forestry, and miscellaneous incidents.

## EMERGENCY RESPONSE ACTIVITIES 2018

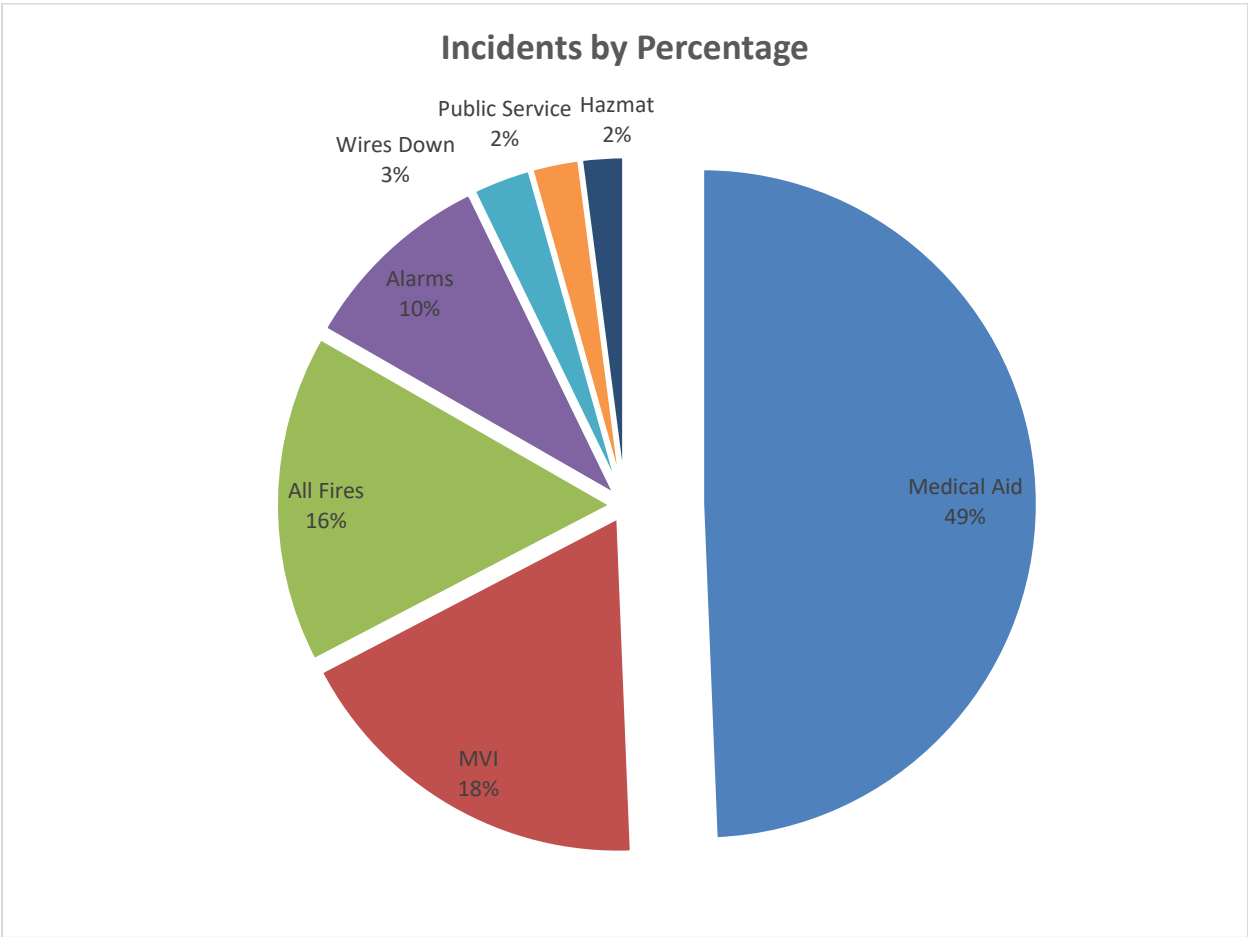
Pemberton Fire Rescue had another busy year attending to 389 incidents. The calls on average have steadily increased by 4 to 5% per year since 2012 as per the information below

| Year      | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|-----------|------|------|------|------|------|------|------|
| Incidents | 215  | 232  | 240  | 257  | 267  | 326  | 389  |



**Incidents by Type and Percentage**

|                |     |      |
|----------------|-----|------|
| Totals         | 389 | 100% |
| Medical Aid    | 192 | 49%  |
| MVI            | 70  | 18%  |
| All Fires      | 62  | 16%  |
| Alarms         | 37  | 10%  |
| Wires Down     | 11  | 3%   |
| Public Service | 9   | 2%   |
| Hazmat         | 8   | 2%   |

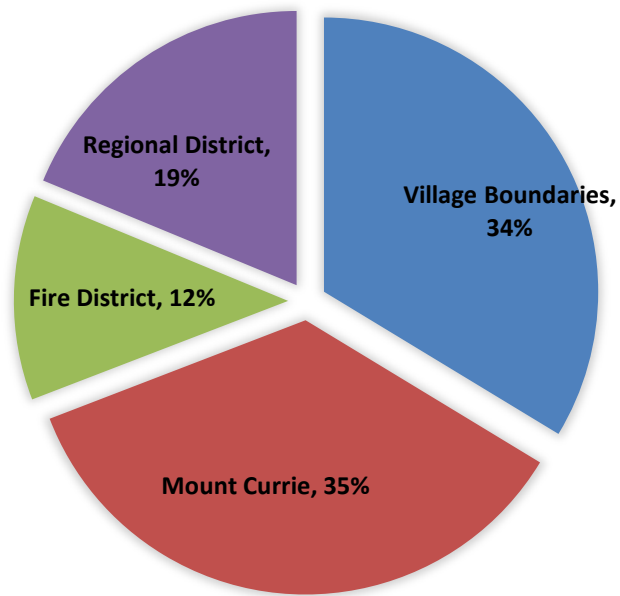




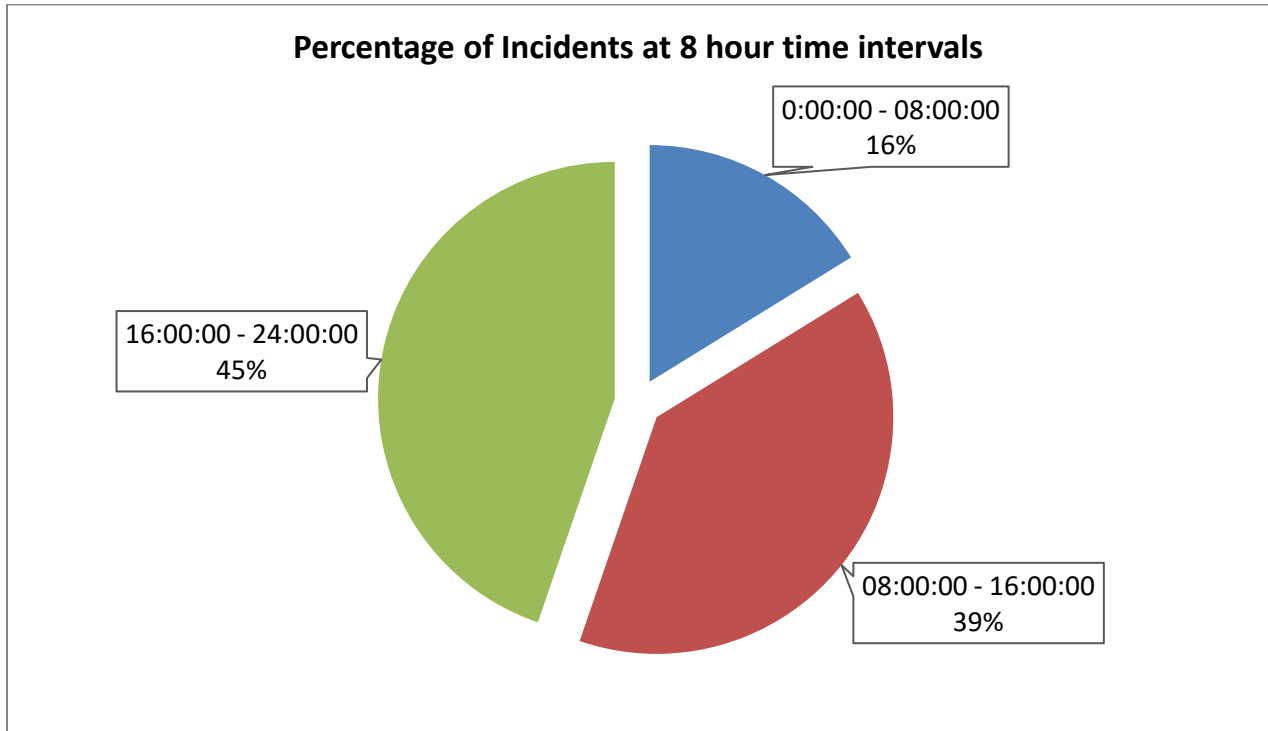
### Calls by Type by Location

|                                 | Village Boundaries | Lil'wat    | Fire District | Regional District |
|---------------------------------|--------------------|------------|---------------|-------------------|
| Medical Aid                     | 64                 | 100        | 14            | 12                |
| MVI                             | 13                 | 9          | 11            | 38                |
| Alarms                          | 24                 | 5          | 8             |                   |
| All Fire Related Calls          | 15                 | 22         | 10            | 17                |
| Wires Down                      | 3                  |            | 4             | 4                 |
| Public Service                  | 7                  |            |               | 2                 |
| Hazmat                          | 5                  | 2          |               |                   |
| <b>Totals</b>                   | <b>131</b>         | <b>138</b> | <b>47</b>     | <b>73</b>         |
| Percentage of Calls by Location | 34%                | 35%        | 12%           | 19%               |

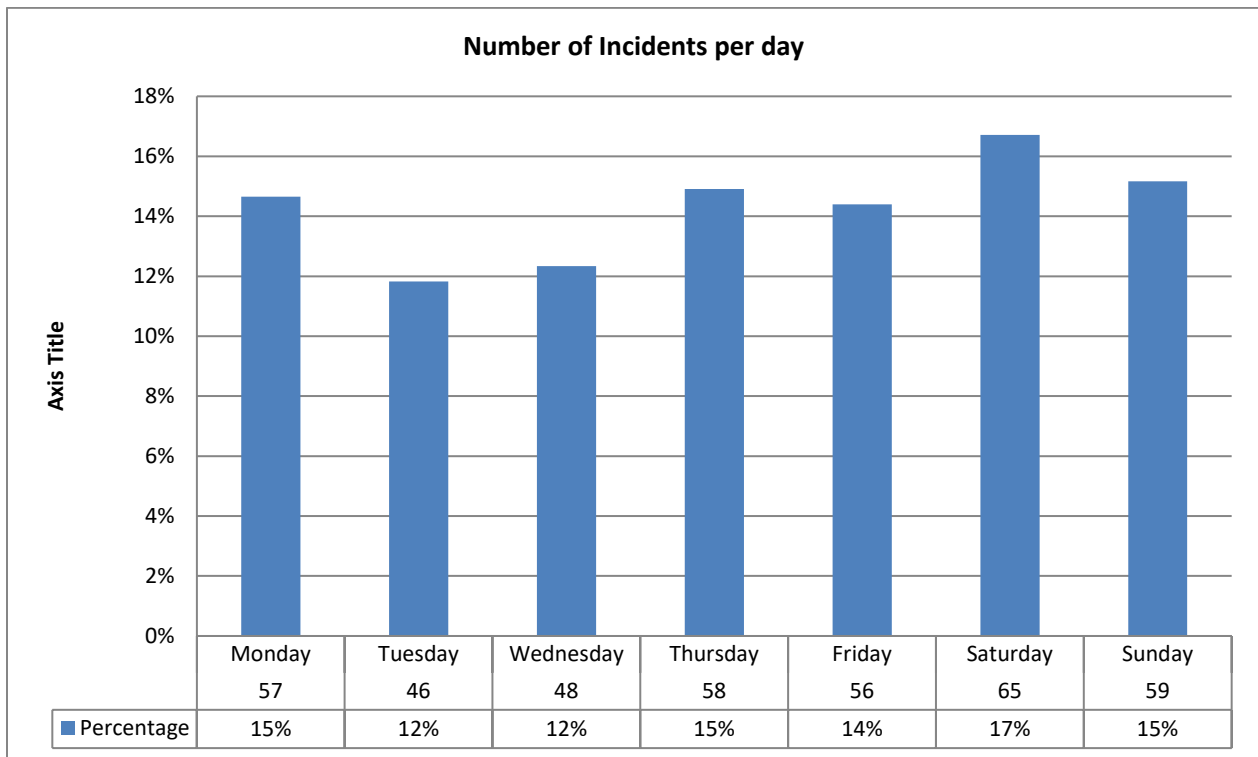
### PERCENTAGE OF CALLS BY LOCATION



Below is a chart showing percentage of Incidents in a 24-hour period broken into 8-hour increments. As can be seen from the chart below most incidents for 2018 occurred between 4:00 pm and midnight.



Below the chary shows which days throughout the year had the most incidents.



### **Community Events Involvement:**

In 2018, Pemberton Fire Rescue provided public service assistance and actively participated in or supported the following 28 public events. These included: Winterfest, Diamond Rally Charity Event, Porsche Rally Event, Off Road Rebels 4x4 Rally, Canada Day Parade, Halloween and Remembrance Day.

Pemberton Fire Rescue participated and assisted the First Nations Emergency Services Society of British Columbia (FNESS of BC) in providing Cadet Fire Training at the Mount Currie Fire Department.

Pemberton Fire Rescue was on hand to deal with any situation that may have arisen from the fireworks show during Halloween, and New Year's Eve.

In 2018, special events have not impacted Pemberton Fire Rescue's ability to respond to the needs of the community we serve; however, the Department has put in place protocols to monitor and actively work with organizers. Pemberton Fire Rescue has noticed that with the increase in the number of incidents occurring in the response area, members are starting to participate less in both events and incidents due to the increase in commitment special events occurring in Pemberton due to the in advance of an event or activity to ensure resources are in place to effectively provide fire responder services.

### **Fire Prevention and Inspections:**

Pemberton Fire Rescue is pleased to report that business operators within in the Village of Pemberton recognize the importance of being prepared and continues to be compliant with fire regulations.

For 2018 a total of 12 fire inspections were done in 2018.

5 fire Safety plans reviews were conducted. This included an inspection of the building with property manager to review plans and building.

Fire Extinguisher training was organized and conducted by Pemberton Fire Rescue for 4 businesses within the fire boundaries of the department.

### **Training:**

Members continued throughout the year on a weekly basis for a total of 141 hours to complete the 200 plus skills required to maintain compliance with the Office of the Fire Commissioner minimum training requirements, WorksafeBC, National Fire Protection Association and Department training requirements.

Additional training was complete by the Fire Officers of 144 hours to complete Fire Officer Level 1 training to meet both the National Fire Protection Association 1021 Level 1 and the Office of the BC Fire Commissioners minimum training standard requirements.

In this regard, the Department extends its congratulations to Ben Hansler, Cameron Adams, Adam Malpus, Simone Jaggi, Jason Pospisil, John Harris, Ashton Sonnenburg, Kristopher Kirchner who are now certified to the National Fire Protection Association 1021 Level 1 Standard



## **Provincial Wildfire Involvement 2018**

In August, the Office of the Fire Commissioner called upon Pemberton Fire Rescue to assist with Wildland fires in the Vanderhoof and Fort St. James area. Pemberton Fire Rescue was pleased to be able to support the efforts and a crew of four (4) attended for ten (10) days. This is the second year in a row that Pemberton has been asked to assist with the wildland fires.

I would like to personally thank the following members for helping during the Wildfire Crisis of 2018: Captain Simone Jaggli, Lieutenant John Harris, Firefighter Jordan Brown, Firefighter Josh Livermore.

As a result of the extreme weather patterns that have been experienced in the past few years, many large provincial emergency deployments of personnel and equipment have been put in place.

In 2015, the Rock Creek and Oliver wildfires caused many losses and evacuations. In spring 2016, the largest fire loss in Canadian history was experienced, with over 80,000 evacuated and over 2600 structures lost in Fort MacMurray. In 2017, extensive flooding throughout the BC Okanagan, Kootenay and Boundary, major wildfires in central BC and California, caused large displacements of people, as well as huge fire losses. All of these events drew upon significant resources to assist communities in the battle with Mother Nature.

The Office of the Fire Commissioner relies on fire department personnel and chief officers from across the province to provide interface protection by way of Emergency Operation Centre (EOC) staffing or field support. As these major events and deployment requests become increasingly common and more frequent, communities are left with skeleton fire crews and chief officers to protect their communities. It is anticipated that this will continue to exert a growing strain on local fire department leadership.

