

Pemberton Fire Rescue Annual Report



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Message from Fire Chief Robert Grossman

I am pleased to submit to Council the Annual Report for the Pemberton Fire Rescue Fire Department for 2017.

This 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 awareness of the services we offer to our citizens.

This report outlines call volumes, fire prevention efforts, public fire education initiatives, professional development achievements and other significant accomplishments made by our personnel and the Fire Rescue Department in 2017.

I am proud to be associated with the men and women who comprise our Fire Rescue 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 understands and appreciates 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 Pemberton Fire Rescue Department is to provide fire protection, first responder medical services, and road rescue services through a range of programs designed to protect the lives and property of the residents the Department serves from the effects of fires, sudden medical emergencies or exposure to dangerous conditions created by man or nature; first to the Village of Pemberton; second, to the local service areas within Electoral Area C of the Squamish Lillooet Regional District and the Lil'wat Nation that have been established through authorized agreements and third, to municipalities requiring assistance through authorized emergency fire service plan and program (mutual aid) activities such as the RMOW, and requests from the Office of the Fire Commissionaire and Province for wildland fire assistance.

Primary Objectives of the Fire Department

In order to achieve the goals, set out by 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 is maintained and available within the municipality to provide adequate response to a citizen's call within a reasonable length of time.
4. Provide a maintenance program to ensure all apparatus, is ready to respond to emergency calls.
5. Provide departmental training to an accepted standard which will ensure the continuous upgrading 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.
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 that 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.

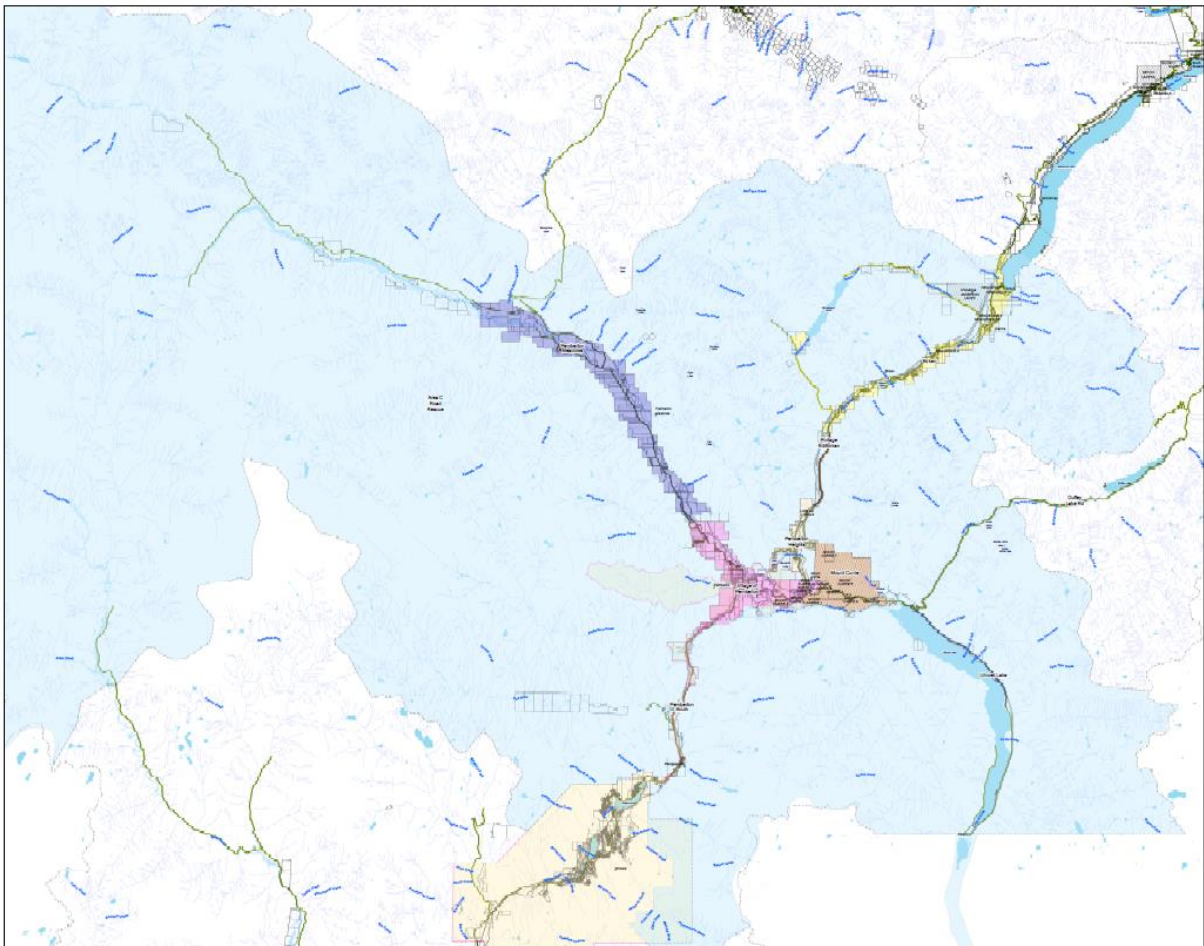
Area Covered by Pemberton Fire Rescue

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.

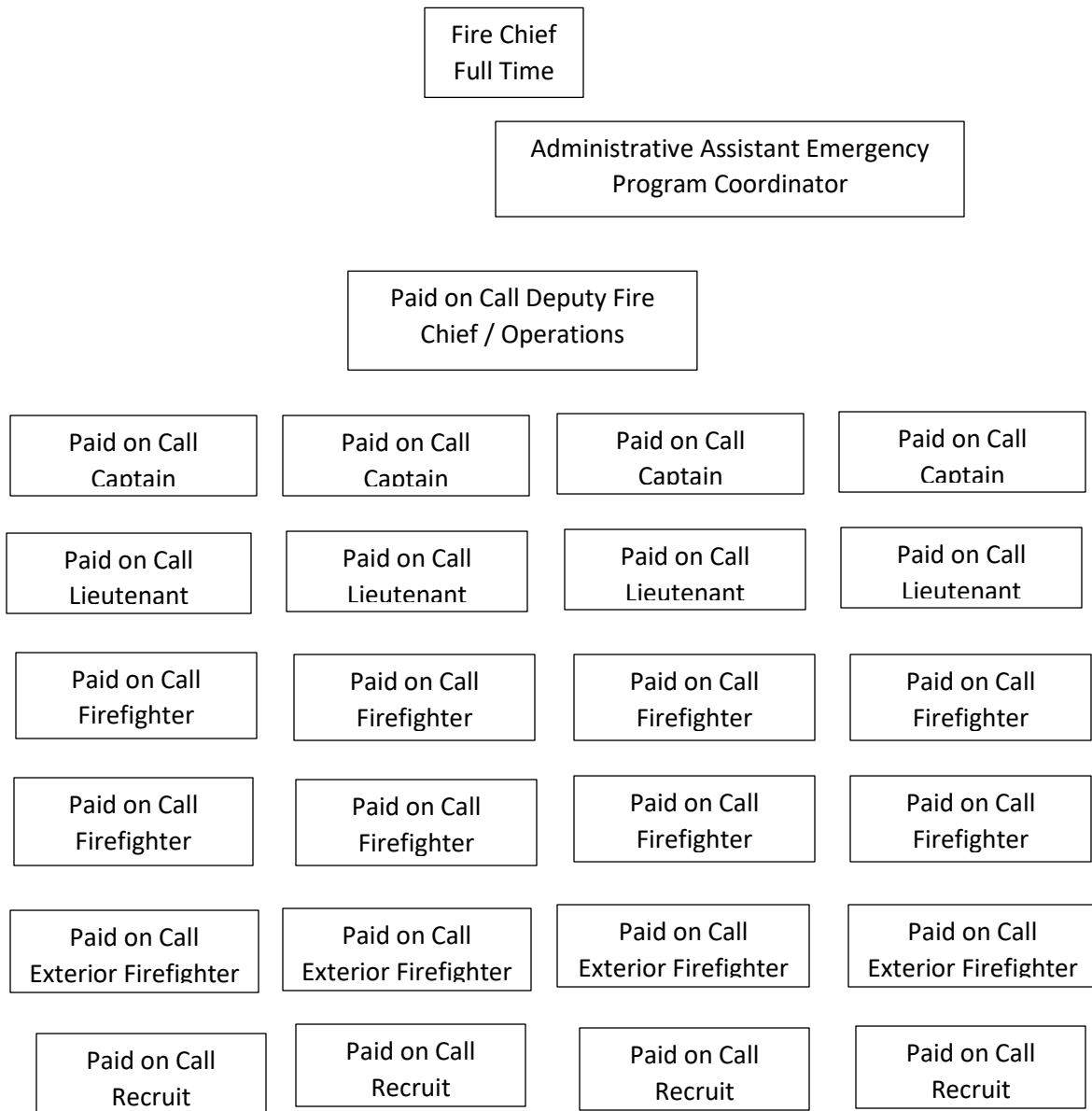
Pemberton Fire Rescue also provided services to the residents of the Lil'wat Nation through a service agreement.

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



Organizational Structure

Pemberton Fire Rescue Department 2017



2017 Pemberton Fire Rescue Members

Fire Chief	Robert Grossman	18.83	Years of Fire Service
Part Time Administrative Assistant	Vacant		
Paid on Call Deputy Chief / Operations	Ben Hansler	15.22	Years of Fire Service
Paid on Call Captain/Training Officer	Cameron Adams	7.94	Years of Fire Service
Paid on Call Captain	Adam Malpus	5.92	Years of Fire Service
Paid on Call Probationary Captain	Jason Pospisil	15.34	Years of Fire Service
Paid on Call Probationary Lieutenant	Simone Jaggli	7.94	Years of Fire Service
Paid on Call Probationary Lieutenant	John Harris	6.38	Years of Fire Service
Paid on Call Probationary Lieutenant	Nina Van Driel	3.79	Years of Fire Service
Paid on Call Probationary Lieutenant	Kris Kirchner	3.79	Years of Fire Service
Paid on Call Firefighter	Ashton Sonnenburg	5.92	Years of Fire Service
Paid on Call Firefighter	Jordon Brown	4.89	Years of Fire Service
Paid on Call Firefighter	Craig Blaney	2.11	Years of Fire Service
Paid on Call Firefighter	Kyle Hennessey	2.11	Years of Fire Service
Paid on Call Firefighter	Dominic Morin	2.11	Years of Fire Service
Paid on Call Firefighter	Will Johnson	0.85	Years of Fire Service
Paid on Call Exterior Firefighter	Jason McEwan	13.84	Years of Fire Service
Paid on Call Exterior Firefighter	Diondi Tan	1.15	Years of Fire Service
Paid on Call Exterior Firefighter	Lisa Graham Knight	1.15	Years of Fire Service
Paid on Call Exterior Firefighter	Josh Livermore	1.15	Years of Fire Service
Paid on Call Exterior Firefighter	Sarah Miller	1.15	Years of Fire Service
Paid on Call Recruit	Eric McIntyre	0.18	Years of Fire Service
Paid on Call Recruit	Phillip Middleton	0.18	Years of Fire Service
Paid on Call Recruit	Jasmine Parnell	0.18	Years of Fire Service
Paid on Call Recruit	Melissa Sutherland	0.18	Years of Fire Service
Paid on Call Recruit	Adam Whitworth	0.18	Years of Fire Service
Paid on Call Recruit	Alex Wilkes	0.18	Years of Fire Service
Paid on Call Recruit	Samuel Theriault	0.18	Years of Fire Service

Pemberton Fire Rescue has a total of 122.84 combined years of Fire Service.

Promotions

There were a number of promotions for 2017.

Jason Pospisil was promoted to Probationary Captain and Simone Jaggli, John Harris, Nina Van Driel, and Kris Kirchner were promoted to Probationary Lieutenants.

Retirements

The following retirements took place during 2017:

Cail Low twelve (12) years of service with Pemberton Fire Rescue retired and moved to a full-time firefighter position with Port Alberni Fire Department.

Dylan Comisky after ten (10) years of service retired to spend time with family.

Jared Kunza after five (5) years of service retired to pursue other interests.

New Recruits

In August of 2017 Pemberton Fire Rescue started its recruit process and in November accepted seven (7) new recruits.

Awards and Recognitions

Rookie of the Year was presented to Lisa Graham Knight.

Most Improved Firefighter of the year was presented to Nina Van Driel.

Outstanding Firefighter of the year was presented to Cameron Adams.

Fire Fighter of the year was presented to Jason Pospisil.

Paid on Call Captain Adam Malpus and Paid on Call Firefighter Ashton Sonnenburg received their 5-year Service Award.

Deputy Fire Chief Ben Hansler and Probationary Captain Jason Pospisil received their 15-year Service Award.

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;

Ladder

75' Smeal 3 section Ladder w master stream

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

Other Equipment

2009 Interstate Cargo Utility Trailer
used for Hazmat, Forestry, and miscellaneous incidents.

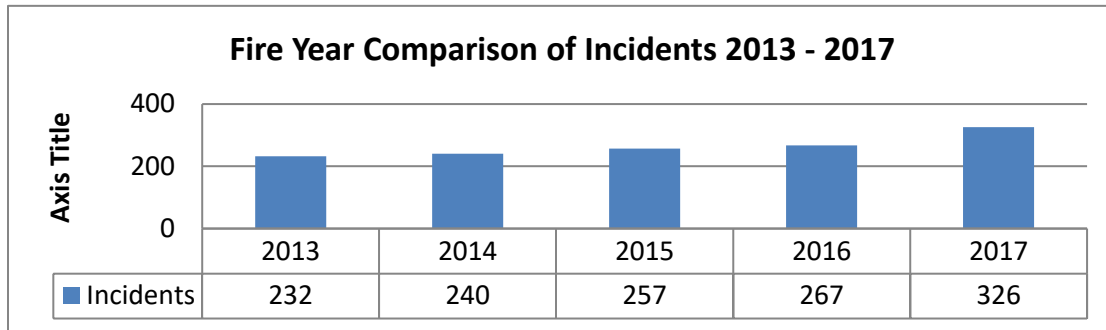
Vehicle Retirements and Donations

Pemberton Fire Rescue 1981 International 55' Ladder Truck was sold to Pemberton Meadows Fire Society.

EMERGENCY RESPONSE ACTIVITIES 2017

Pemberton Fire Rescue had another busy year attending 326 incidents. This is a significant increase from past years. Past years being an average of 3 – 5% and now a 22% increase from 2016 as shown below:

Year	2013	2014	2015	2016	2017
Incidents	232	240	257	267	326



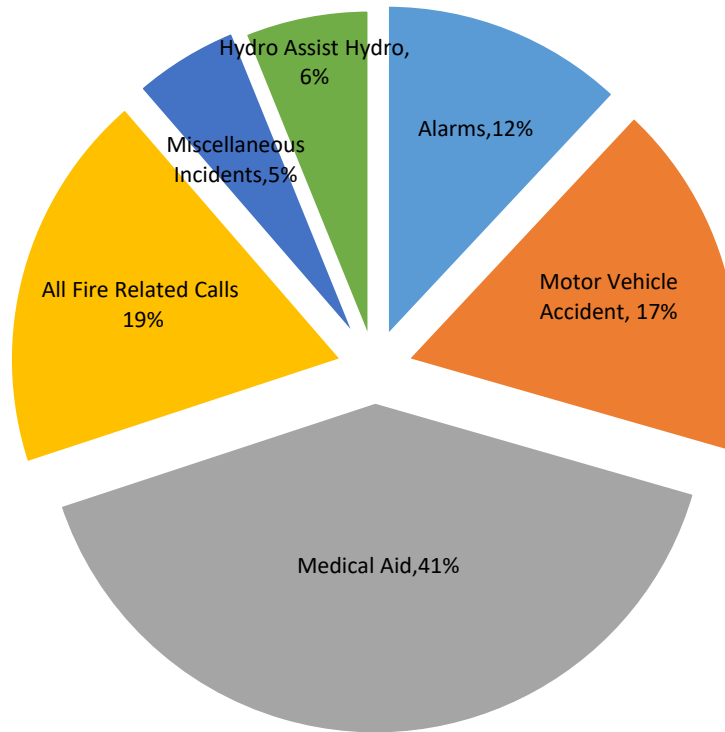
Incidents by Type

Response Type	2016		2017	
	Totals	Percentage	Totals	Percentage
Alarms	37	13.86%	39	11.96%
Burn Complaint	11	4.12%	17	5.21%
Appliance Fire	3	1.12%		
Electrical Fire	1	0.37%		
Chimney Fire	6	2.25%	4	1.23%
Rubbish	2	0.75%	1	0.31%
Structural Fire	5	1.87%	9	2.76%
Fire Unclassified	2	0.75%	5	1.53%
Vehicle Fire	6	2.25%	9	2.76%
Assist with area due to Flooding	1	0.37%	3	0.92%
Hazardous Material	5	1.87%	3	0.92%
Hydro Assist Hydro	13	4.87%	20	6.13%
Medical Aid	85	31.84%	132	40.49%
Motor Vehicle Accident	66	24.72%	57	17.48%
Public Service	6	2.25%	4	1.23%
Rescue & Safety	2	0.75%	6	1.84%
RCMP Police Assist	3	1.12%	1	0.31%
Smoke Sighting	5	1.87%	6	1.84%
Wildland Fire	8	3.00%	10	3.07%
Totals	267		326	

Incidents Summarized

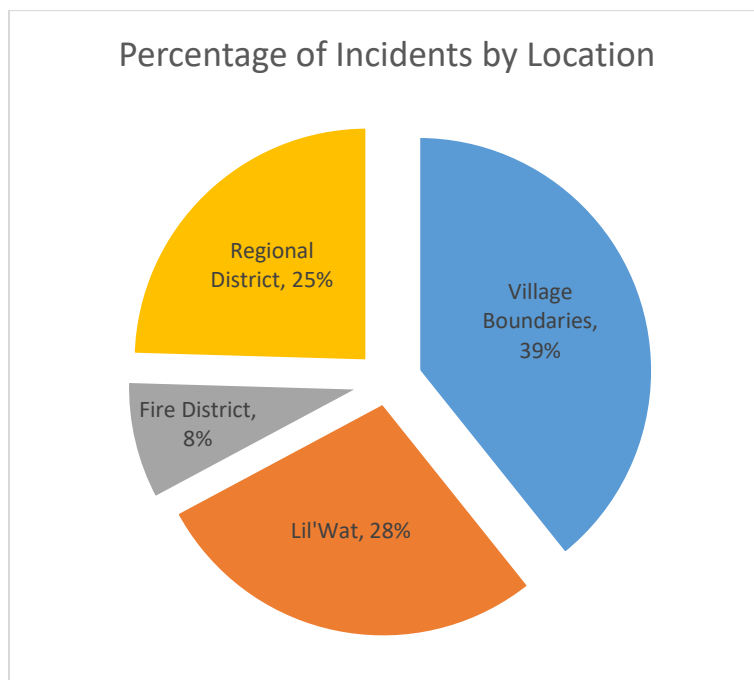
Response Type	2016		2017	
	Totals	Percentage	Totals	Percentage
Alarms	37	14%	39	12%
Motor Vehicle Accident	66	25%	57	17%
Medical Aid	85	32%	132	41%
All Fire Related Calls	49	18%	61	19%
Miscellaneous Incidents	17	6%	17	5%
Hydro Assist Hydro	13	5%	20	6%
Totals	267		326	

Incidents by Percentage



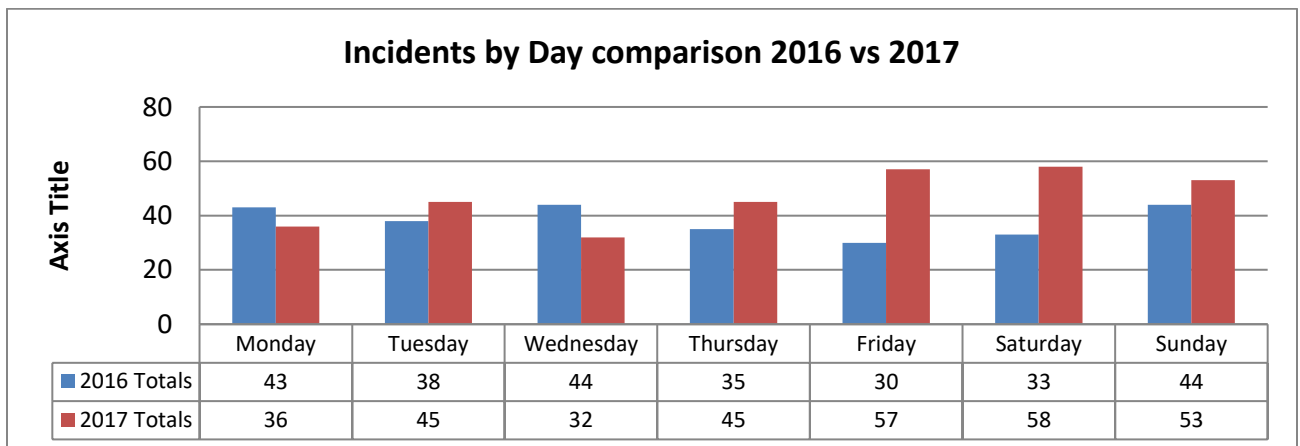
Incidents by Type by Location

	Village Boundaries	Lil'Wat	Fire District	Regional District
Alarms	26	6	1	6
Burn Complaint	5	3	6	3
Chimney Fire	2	1		1
Rubbish	1			
Structural Fire	1	5	2	1
Fire Unclassified	3	1	1	
Vehicle Fire	3		1	5
Assist with area due to flooding	3			
Smell of Gas or Gas leak	1			
Hazardous Material	1	1		
Hydro Lines down, Assist Hydro	4	3	6	7
Medical Aid	48	64	7	13
Motor Vehicle Accident	16	5	3	33
Public Service	4			
Rescue & Safety	4			2
RCMP Police Assist				1
Smoke Sighting	2	2		2
Wildland Fire	4			6
Totals	128	91	27	80
Percentage	39%	28%	8%	25%



Incidents by hour by Day for 2017

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
00:00:00 - 01:00:00		1			1	3	4	9
01:00:00 - 02:00:00		1	1	1	1	3	2	9
00:02:00 - 00:03:00					1	3	1	5
00:03:00 - 00:04:00	1				2	1	1	5
00:04:00 - 00:05:00		1			1	1	1	4
00:05:00 - 00:06:00	2	1			1	1	1	6
00:06:00 - 00:07:00	1	2	1		2	2		8
00:07:00 - 00:08:00	2	2	1	2	3	3		13
00:08:00 - 00:09:00	2		2	4	3	1	2	14
00:09:00 - 00:10:00	2		2	3	2	1		10
00:10:00 - 00:11:00	1	3	1	2	1	1	2	11
00:11:00 - 00:12:00	1		2	3		3	1	10
00:12:00 - 00:13:00	1	2	3	3	1	2	4	16
00:13:00 - 00:14:00	2	2	4	2	3	2	3	18
00:14:00 - 00:15:00	2		2	3	2	3	2	14
00:15:00 - 00:16:00	3	3	3	5	5	2	3	24
00:16:00 - 00:17:00	3	5	1		3	2	5	19
00:17:00 - 00:18:00	2	6	3	3	4	4	4	26
00:18:00 - 00:19:00	4	4		4	4	2	4	22
00:19:00 - 00:20:00	2	3		2	3	2	3	15
00:20:00 - 00:21:00	3	2	2	4	7	7	5	30
00:21:00 - 00:22:00	1	1	1	1	5	4	2	15
00:22:00 - 00:23:00	1	4	3	2	1	3	3	17
00:23:00 - 00:24:00		2		1	1	2		6
Totals	36	45	32	45	57	58	53	326



Incidents by Hour Monday to Sunday Midnight to 7 am

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00:00 - 01:00:00		1			1	3	4
01:00:00 - 02:00:00		1	1	1	1	3	2
02:00:00 - 03:00:00					1	3	1
03:00:00 - 04:00:00	1				2	1	1
04:00:00 - 05:00:00		1			1	1	1
05:00:00 - 06:00:00	2	1			1	1	1
06:00:00 - 07:00:00	1	2	1		2	2	
Totals	4	6	2	1	9	14	10

Incidents by Hour Monday to Sunday 7 am to 6 PM

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
07:00:00 - 08:00:00	2	2	1	2	3	3	
08:00:00 - 09:00:00	2		2	4	3	1	2
09:00:00 - 10:00:00	2		2	3	2	1	
10:00:00 - 11:00:00	1	3	1	2	1	1	2
11:00:00 - 12:00:00	1		2	3		3	1
12:00:00 - 13:00:00	1	2	3	3	1	2	4
13:00:00 - 14:00:00	2	2	4	2	3	2	3
14:00:00 - 15:00:00	2		2	3	2	3	2
15:00:00 - 16:00:00	3	3	3	5	5	2	3
16:00:00 - 17:00:00	3	5	1		3	2	5
17:00:00 - 18:00:00	2	6	3	3	4	4	4
Totals	21	23	24	30	27	24	26

Incidents by Hour Monday to Sunday 6 pm to Midnight

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
18:00:00 - 19:00:00	4	4		4	4	2	4
19:00:00 - 20:00:00	2	3		2	3	2	3
20:00:00 - 21:00:00	3	2	2	4	7	7	5
21:00:00 - 22:00:00	1	1	1	1	5	4	2
22:00:00 - 23:00:00	1	4	3	2	1	3	3
23:00:00 - 24:00:00		2		1	1	2	
Totals	11	16	6	14	21	20	17

Incident Totals by day grouped by morning, day, evening, and weekends

	Monday	Tuesday	Wednesday	Thursday	Friday	Totals	Percentage
00:00:00 - 07:00:00	4	6	2	1	9	22	7%
07:00:00 - 18:00:00	21	23	24	30	27	125	38%
18:00:00 - 24:00:00	11	16	6	14	21	68	21%
				Saturday	Sunday	Totals	Percentage
00:00:00 - 07:00:00				14	10	24	7%
07:00:00 - 18:00:00				24	26	50	15%
18:00:00 - 24:00:00				20	17	37	11%

Above is a chart that shows incidents grouped during Monday to Friday and Saturday to Sunday. As shown above, the 38% of incidents occur Monday to Friday between 7:00 am and 6:00 pm. Usually when most members are at their full-time jobs with majority working outside of Pemberton.

Total Hours member contributed to Pemberton Fire Rescue for 2017

For 2017 the members put in a total of 10010.84 hours, between training, duty time, public events, and incidents.

The Fire Chief on top of his regular hours put in an additional 1111.31 hours. These hours are broken down into 131.31 hours for Incidents after hours, 141 hours of training, 134 hours attending public events, and 705 hours of standby time to meet the FUS requirements of an officer on duty 24 hours per day 7 days a week.

Pemberton Fire Rescue Officers put in a total of 6393.45 hours, between training, duty time, public events, and incidents. This averages out to 1598.36 hours per officer spent for Pemberton Fire Rescue above their regular full-time jobs for other employers.

Pemberton Fire Rescue members put in a total of 7095.78 hours, between training, public events, and incidents. This averages out to 160 hours per member a year spent for Pemberton Fire Rescue, above their regular full-time jobs for other employers.

COMMUNITY INVOLVEMENT 2017

Pemberton Fire Rescue participated in the Canada Day parade as well as provided traffic control for the event. Pemberton Fire Rescue was on standby for the Ironman Canada Triathlon event (July 29, 2017), Slow Food Cycle Sunday (August 20, 2017), the Diamond rally (May 6, 2017) and the Porsche 911 Rally (September 24, 2017) held at the Airport. Pemberton Fire Rescue provided assistance during Halloween with traffic control, and fireworks with the assistance of Doug Tuck, who is the District Supervisor for MOTI and who has helped with the fireworks prior to Fire Department facilitating the event. The Fire Department also assisted with traffic control and participated in the Remembrance Day Parade, participated in the Christmas Sing-A-Long with Olof at The Barn, hosted by Growing Great Children, delivered Christmas Hampers and was present at the Gingerbread Project collecting donations for the

food bank. Finally, Pemberton Fire Rescue supported the first Winterfest New Year's Eve celebrations by facilitating the fireworks show which took place at Signal Hill Elementary School.

PROVINCIAL INVOLVEMENT 2017

At the request of the Office of the Fire Commissionaire, Pemberton Fire Rescue assisted with the wildland fires in the province over the summer of 2017 sending one (1) engine and three (3) crews of four (4) firefighters at various times. In the process of helping with the wildland fires, the crews met and worked with members of fire departments throughout the province. Working alongside members of other departments offered the opportunity to exchange training tips and strategies. The information learned and exchanged gives members new ideas to continue to move Pemberton Fire Rescue forward.

I would like to personally thank the following members for helping during the Wildfire Crisis of 2017: Deputy Fire Chief Ben Hansler, Captains Dylan Comisky and Cameron Adams, Firefighters Jason Pospisil, Jared Kunza, John Harris, Dominic Morin, Simone Jaggli, Lisa Graham-Knight, and Will Johnson. I would also like to thank all members who signed up to help with the wildland fires should our services be required again.

By providing assistance to the province for the wildland fires of 2017, Pemberton Fire Rescue was able to purchase and outfit a 1999 75-foot Ladder Truck, replacing the 1981 55-foot Ladder Truck. This newer truck was purchased from Vancouver Fire who helped Pemberton Fire Rescue with the one that would best suit our needs.

FIRE PREVENTION 2017

An important part of fire prevention is education and that program continues to grow. Fire prevention education starts at an early age with the goal of it becoming a good habit throughout a person's life. Each year in the spring, Pemberton Fire Rescue holds a Public Education Session at Signal Hill Elementary School which provides students an opportunity to ask questions, learn about the equipment and apparatus the Fire Department uses and includes three stations:

- Stations One and Two are classroom based and different subjects are taught
- Station Three includes a tour of the apparatus

Fire Hall tours were also provided to local youth groups and classes from Pemberton Day Care Centre, students L'École La Vallée De Pemberton, and a Grade 2/3 class. Fire safety information is also distributed to the students at Signal Hill Elementary School during Fire Prevention Week.

Pemberton Fire Rescue noticed a decrease in the number of residents applying for Burning Permits. In an effort to encourage residents to acquire their free Burning Permit, we made the application available online or at the Municipal Hall and the Fire Hall during office hours. Although there has not been an increase in burning complaints in the community, Pemberton Fire Rescue continues to monitor burning within the Village of Pemberton Boundaries.

Businesses in Pemberton continued to be compliant at the time of inspection as they recognize the importance of fire prevention through education programs provided by the Fire Department. Pemberton Fire Rescue conducted a total of eleven (11) inspections for new business license applications, two (2) statutory declaration inspections, one (1) complaint-based inspection and two (2)

annual inspections. A joint inspection was also completed with the Building department on a large building complex in the Industrial Park.

The Fire Department completed a Fire Pre-Plan of Whistler Black Comb Aviation. A pre-fire plan is the process of gathering information before a fire or other emergency occurs in order to be prepared to deal with it once an emergency occurs.

The Strategic Wildfire Prevention Initiative (SWPI) and the Community Wildfire Protection Plan (CWPP) update was completed and has been adopted by Council. The Fire Department has incorporated a number of the CWPP Recommendations into the 2017 work plan and are working on draft Action Plan for the completion of the Recommendations over the next five (5) years.

Fire Services Agreement - Update

In November of 2017 the Village of Pemberton and Lil'wat Nation reached an agreement to enter into a 3-year service agreement for Pemberton Fire Rescue to provide the same services that Pemberton Fire Rescue provides to the Village of Pemberton. Pemberton Fire Rescue is pleased to be providing assistance to the residents of Lil'wat and looks forward to working closely with the Lil'wat Nation Fire Department on coordinated training and operational initiatives.

Training

In 2017 training continued, to meet the BC Office of the Fire Commissionaire Minimum Training Standards for Structure Firefighters Competency and Training otherwise referred to as the PLAYBOOK, WorksafeBC firefighting requirements and National Fire Protection Association (NFPA) standards.

Eleven (11) members completed the National Fire Protection Association (NFPA) 1041 requirements as a certified Fire Service Instructor meeting another portion of the Playbook requirements.

Pemberton Fire Rescue also completed the Fire Department traffic control course to meet the WorkSafe BC requirements for traffic control in emergency situations for firefighters. The department also have 8 more members completing their air brake endorsement course allowing them to drive the department apparatus requiring air brakes. Members also completed First Responder Training to have more members available to responder to medical aid Delta and Echo incidents as established by the Village of Pemberton Establishment Bylaw No. 807, 2016.

In November of 2017 Pemberton Fire Rescue provided In-House Driver Training to meet NFPA 1002 Standard for Fire Apparatus Driver / Operator requirements.

