

Pemberton Fire Rescue Annual Report



ENGINE 1



March 7, 2017

Message from Fire Chief Robert Grossman

I am pleased to submit to Council the Annual Report for the Pemberton Fire Rescue Fire Department for 2016.

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 2016.

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

**Received By Council:
Council Meeting No. 1445
Tuesday, March 7, 2017**

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

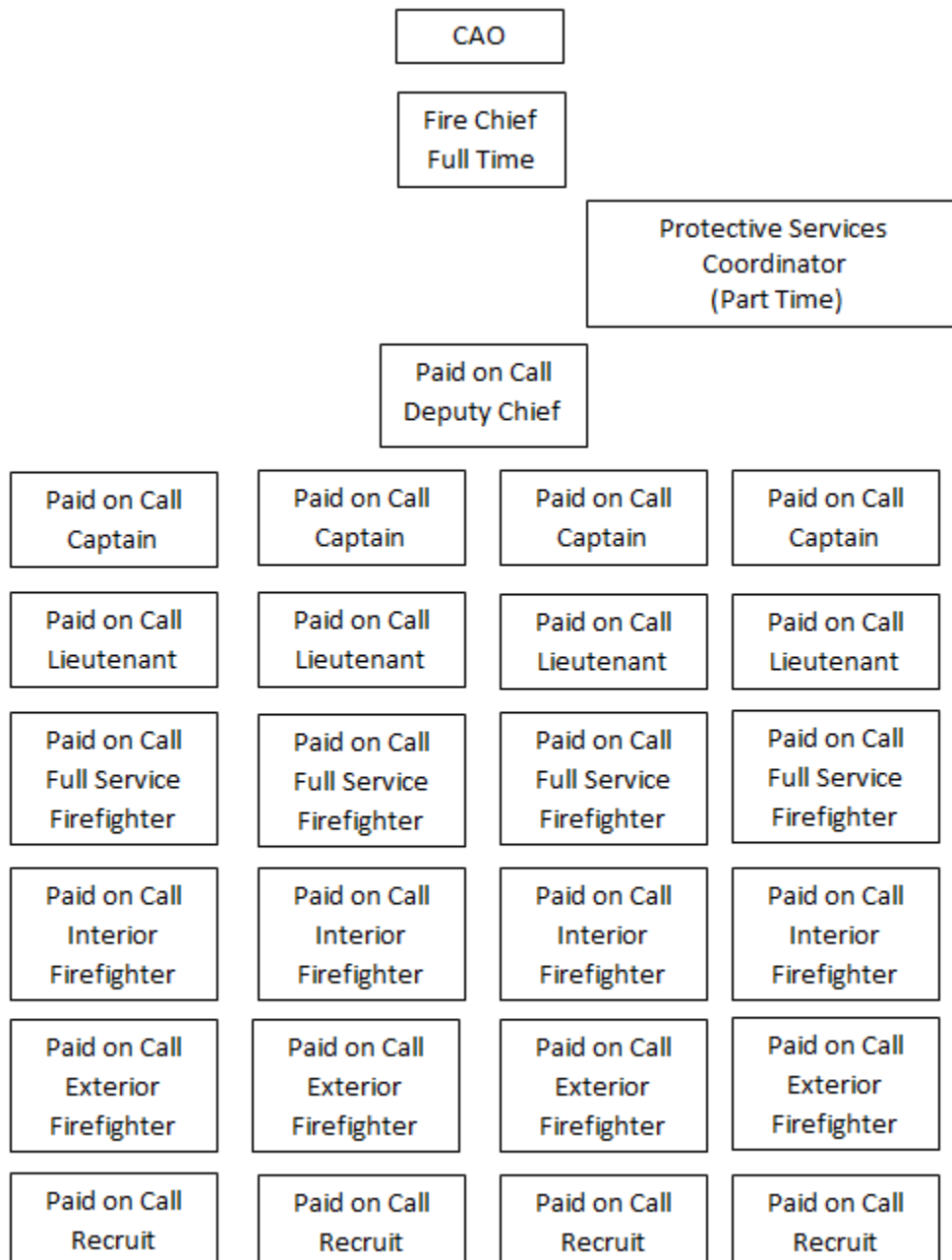
The goal of the Pemberton Fire Rescue Department is to provide fire protection, and road rescue services through a range of programs designed to protect the lives and property of the residents the Department serves from the effects of fires, sudden medical emergencies or exposure to dangerous conditions 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 Resort Municipality of Whistler (RMOW), and requests from the Office of the Fire Commissioner and the 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 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.
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.
8. Develop and maintain a good working relationship with federal, provincial and municipal departments, utilities and agencies, related to the protection of life and property.
9. Interact with other municipal departments respecting the aspects of fire on any given program.
10. Ensure these objectives are not in conflict with any other municipal department.

**Organizational Structure
Pemberton Fire Rescue Department 2016**



Exterior Firefighter – is restricted to the control and / or extinguishment of fire from a position external to the building or object in question.

Interior Firefighter – includes firefighting activities that include entry into structure and objects with the purpose of control and or extinguishment of fire.

Full Service Firefighter – is the firefighting level that includes activities that are undertaken by firefighters trained in the full spectrum of competencies outlined in NFPA 1001 level II.

2016 Pemberton Fire Rescue Members

Fire Chief	Robert Grossman	17.45	Years of Fire Service
Protective Services Coordinator (Part Time)	Rachael Low		
Paid On Call Deputy Chief	Ben Hansler	14.25	Years of Fire Service
Paid On Call Captain / Training Officer	Cail Low	11.7	Years of Fire Service
Paid-On Call Captain / Training Officer	Cameron Adams	6.97	Years of Fire Service
Paid-On Call Captain	Dylan Comisky	9.28	Years of Fire Service
Paid-On Call Captain	Adam Malpus	4.95	Years of Fire Service
Paid-On Call Full Service Firefighter	Jason Pospisil	14.37	Years of Fire Service
Paid-On Call Full Service Firefighter	Simone Jaggli	6.97	Years of Fire Service
Paid-On Call Full Service Firefighter	Ashton Sonnenburg	4.95	Years of Fire Service
Paid-On Call Full Service Firefighter	James Akey	3.92	Years of Fire Service
Paid-On Call Full Service Firefighter	Jordon Brown	3.92	Years of Fire Service
Paid-On Call Full Service Firefighter	John Harris	5.4	Years of Fire Service
Paid-On Call Full Service Firefighter	Jared Kunza	3.92	Years of Fire Service
Paid-On Call Full Service Firefighter	Nina Van Driel	2.82	Years of Fire Service
Paid-On Call Full Service Firefighter	Kris Kirchner	2.82	Years of Fire Service
Paid-On Call Exterior Firefighter	Jason McEwan	12.87	Years of Fire Service
Paid-On Call Exterior Firefighter	Paul Cumin	8.2	Years of Fire Service
Paid-On Call Exterior Firefighter	Craig Blaney	1.13	Years of Fire Service
Paid-On Call Exterior Firefighter	Kyle Hennessey	1.13	Years of Fire Service
Paid-On Call Exterior Firefighter	Mourad Meratla	1.13	Years of Fire Service
Paid-On Call Exterior Firefighter	Dominic Morin	1.13	Years of Fire Service
Paid-On Call Recruits	Diondi Tan	0.18	Years of Fire Service
Paid-On Call Recruits	Lisa Graham Knight	0.18	Years of Fire Service
Paid-On Call Recruits	Josh Livermore	0.18	Years of Fire Service
Paid-On Call Recruits	Ethan Baguley	0.18	Years of Fire Service
Paid-On Call Recruits	Sara Miller	0.18	Years of Fire Service

Pemberton Fire Rescue has a total of 140.2 combined years of Fire Service.

Promotions

Lieutenant Adam Malpus was promoted to Captain in December 2016.

Retirements

In late 2015, Lieutenant Chris Wells accepted a full time position with New Westminster Fire and in July 2016 officially retired from Pemberton Fire Rescue.

New Recruits

In September, Pemberton Fire Rescue issued notification for its annual recruitment and accepted seven new recruits. At the end of 2016 five recruits were still with the Department and will continue their training in 2017.

Awards and Recognitions

2016 Rookie of the Year:	Exterior Firefighter Dominic Morin
Most Improved Firefighter of the Year:	Interior Firefighter Kristopher Kirchner
Outstanding Firefighter of the Year:	Captain Cameron Adams
Five Year Service Award:	Firefighter John Harris

Member Hours for 2016

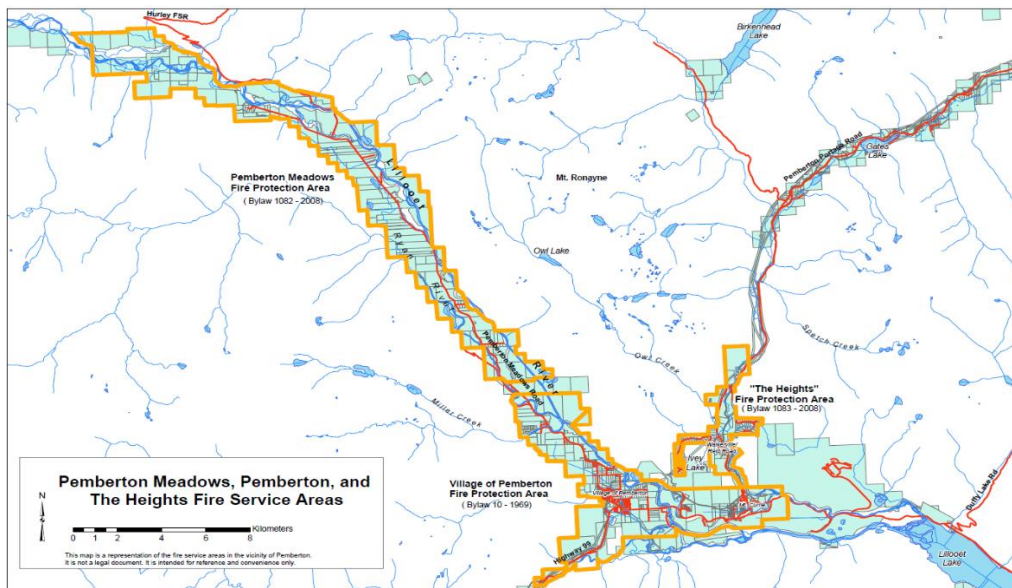
	Incident	Meeting	Training	Standby	Pub-Ed	Total
Robert Grossman	155.38	36	294.5	1163	37	1685.88
Ben Hansler	40.73	36	174	1042	14	1306.73
Cail Low	115.12	36	271	1009.5	34.5	1466.12
Cameron Adams	149.87	36	226	1209.5	24	1645.37
Dylan Comisky	106.03	36	263.5	1233	14	1652.53
Adam Malpus	94.45	36	259	1167	13.5	1569.95
Jason Pospisil	69.83		205	24	18.5	317.33
Simone Jaggli	86.73		285	12	28	411.73
Ashton Sonnenburg	71.85		109.5	12	6	199.35
James Akey	94.87		254		18.5	367.37
Jordan Brown	23.2		140.5	12	21.5	197.2
John Harris	35.75		116	12	14.5	178.25
Jared Kunza	12.87		184		12	208.87
Nina Van Driel	35.1		284	12	1	332.1
Kristopher Kirchner	80.88		275		10	365.88
Jason McEwan	13.9		57.5			71.4
Paul Cumin	5.55		43			48.55
Craig Blaney	36.22		140	12	13.5	201.72
Kyle Hennessey	9.92		163		11	183.92
Mourad Meratla	10.47		124.5	12	2	148.97
Dominic Morin	57.05		135.5	12	22	226.55
Chris Wells	22.03		34.5	84	4.5	145.03
Totals	1327.8	216	4039	7028	320	12930.8
Below are new recruits that started November 7, 2016						
Diondi Tan			28.5			28.5
Ethan Baguley			25.5		1	26.5
Lisa Graham-Knight			25.5			25.5
Joshua Livermore			25.5			25.5
Sarah Miller			25.5			25.5
Totals			130.5		1	131.5

The chart above highlights the commitment members of Pemberton Fire Rescue make to the community. The standby hours represent times where an Officer is on call (described below) or where a member is on duty for a special event such as Canada Day or Remembrance Day. In 2015 the Officers of Pemberton Fire Rescue decided that it would serve the community well to have an officer available evening and weekends. This direction was formalized and implemented in 2016. Each shift is twelve (12) hours from 6:00 p.m. to 6:00 a.m. Sunday through Saturday. The Fire Chief covers the shift 6 am to 6 pm Monday to Friday.

These hours do not include the 200 plus hours of work and prep time for the Pemberton Music Festival, which costs are recovered fully by the Festival Organizers. More information on this activity is provided below.

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.



Pemberton Fire Rescue also provides Road Rescue Service, which encompasses all of Squamish Lillooet Regional District Area C, and involves responding to motor vehicle accidents which can involve extricating patients from the vehicle.

Pemberton Fire Rescue provides Ambulance Assist to BC Ambulance, for Delta and Echo calls, as required.

Training

In 2014, the BC Office of the Fire Commissioner published the British Columbia Fire Service Minimum Training Standards for Structure Firefighters Competency and Training otherwise referred to as the PLAYBOOK. In May 2015, the Office of the Fire Commissioner set a deadline for all fire departments to establish a level of service for their area and meet the training requirements of the chosen level.

As established in the Village's Fire Establishment Bylaw No. 807, 2016, Pemberton Fire Rescue is a Full Service Level Department. The training required to meet this level is National Fire Protection Association 1001 Standard for Fire Fighter Professional Qualifications Level II. Fire Officers are required to achieve the National Fire Protection Association 1021 Standard for Fire Officer Professional Qualifications Level I.

From February, 2015 to September, 2016 Pemberton Fire Rescue worked toward completing the NFPA 1001 training and twelve members were successful in achieving this goal. Pemberton Fire Rescue is proud to report that fifteen members currently hold this certification with eight more to complete within the next 18 months.

Members that have completed the NFPA 1001 Full Service training are now working towards completing the NFPA 1021 Standard for Fire Officer Professional Qualifications Level I.

The four firefighters recruited in 2015 have successfully completed their first year with Pemberton Fire Rescue and are exterior firefighters and completing their recruit training moving them to rookies and will be completing the rest of the NFPA 1001 program later in 2017.

In 2016, seven candidates entered the Recruit Training Program, two of which have stepped down due to personal reasons.

Below are some examples of the training firefighters participate in each year.



Hazmat Training



First Responder Training



Auto Extrication Training



Ladder Truck Training



Pump Training Triple Combination Pumper



Hose Handling Pump Training Triple Combination Pumper

Fire Department Apparatus

In October, the new 2017 Triple Combination Pumper Truck was delivered and put into service.



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 1500 1500 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

Additional Apparatus Currently in Service:

1996 Hub Freightliner 2nd line Pumper



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



1981 International 55' Ladder Truck



2011 Ford F550 4 X 4 Crew Cab Rescue Truck



Other Available Equipment:

- 1995 Zodiac 12' Rigid Hull Inflatable Boat
- 2009 Interstate Cargo Utility Trailer used for Hazmat, Forestry and miscellaneous incidents.

Vehicle Retirements and Donations

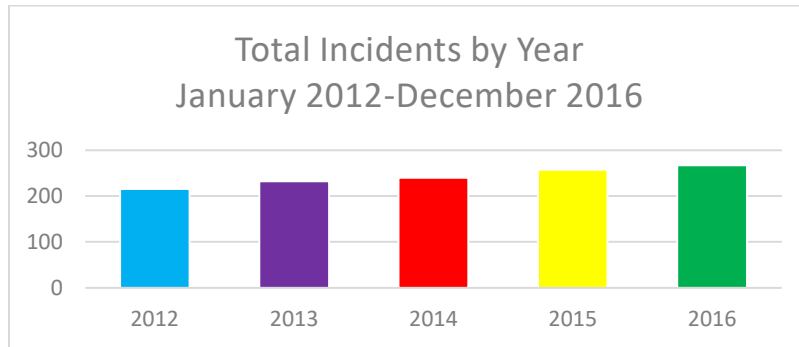
In December, Council approved the donation of the following retired vehicles to the newly formed Pemberton Meadows Fire Society:

- 1971 Ford Thibault (retired in 2010)
- 1983 GMC Pumper Engine (retired in 2016)

EMERGENCY RESPONSE ACTIVITIES 2016

Pemberton Fire Rescue had another busy year attending 267 incidents. The calls on average have steadily increased by 4% to 5% per year since 2012 as shown below:

Year	2012	2013	2014	2015	2016
Incidents	215	232	240	257	267

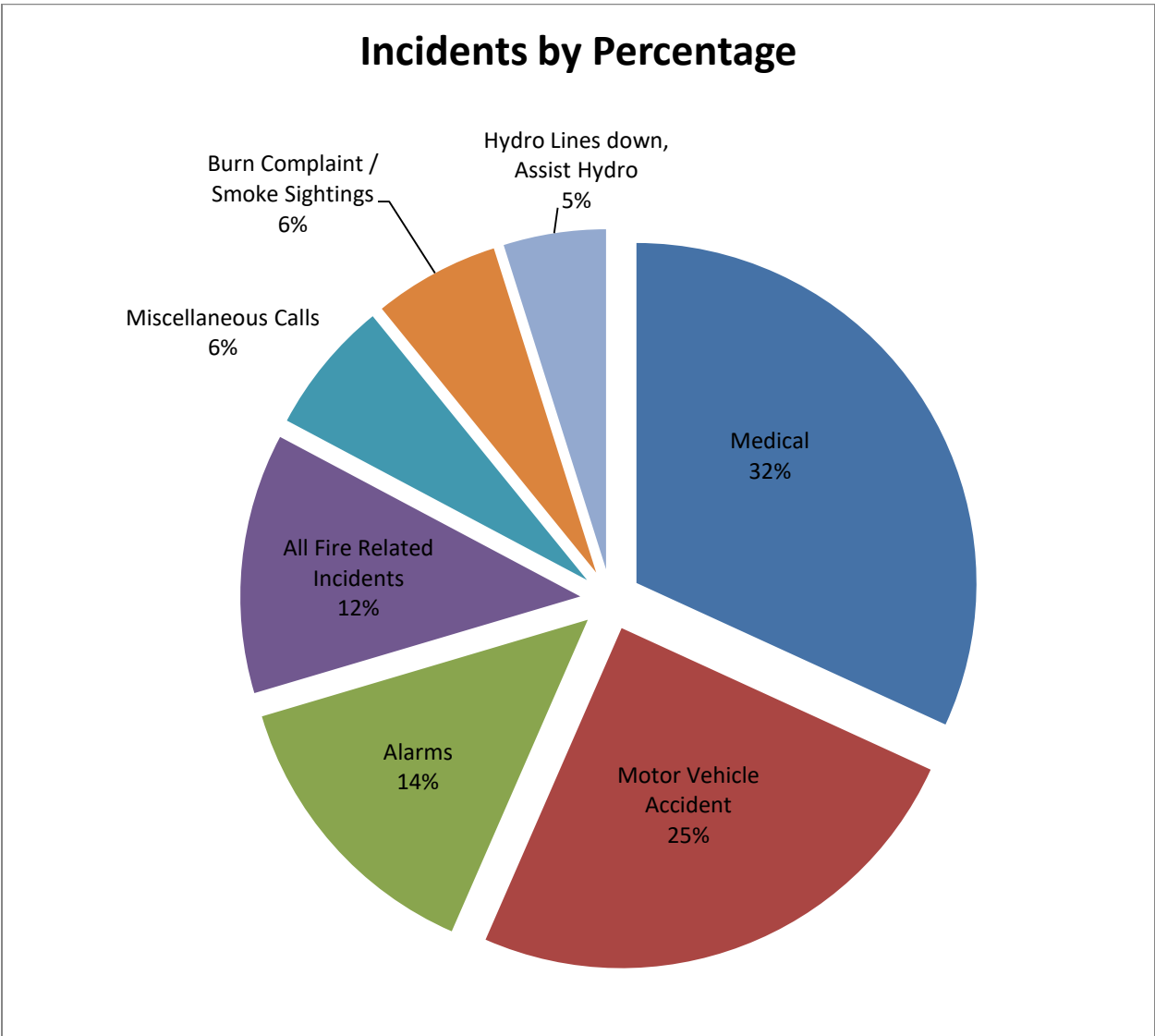


Incidents by Type

		Totals	Percentage
1	Medical Calls	85	31.84%
2	Motor Vehicle Accident	66	24.72%
3	Alarms	37	13.86%
4	Wildland Fire	7	2.62%
4	Chimney Fire	6	2.25%
4	Vehicle Fire	6	2.25%
4	Structural Fire	5	1.87%
4	Appliance Fire	3	1.12%
4	Fire Unclassified	2	0.75%
4	Rubbish Fire	2	0.75%
4	Electrical Fire	1	0.37%
4	Grass Fire	1	0.37%
5	Public Service	6	2.25%
5	Hazardous Material	4	1.50%
5	RCMP Police Assist	3	1.12%
5	Rescue & Safety	2	0.75%
5	Assist with area due to flooding	1	0.37%
5	Gas Spill	1	0.37%
6	Burn Complaint	11	4.12%
6	Smoke Sighting	5	1.87%
7	Hydro Lines down, Assist Hydro	13	4.87%
	Totals	267	100%

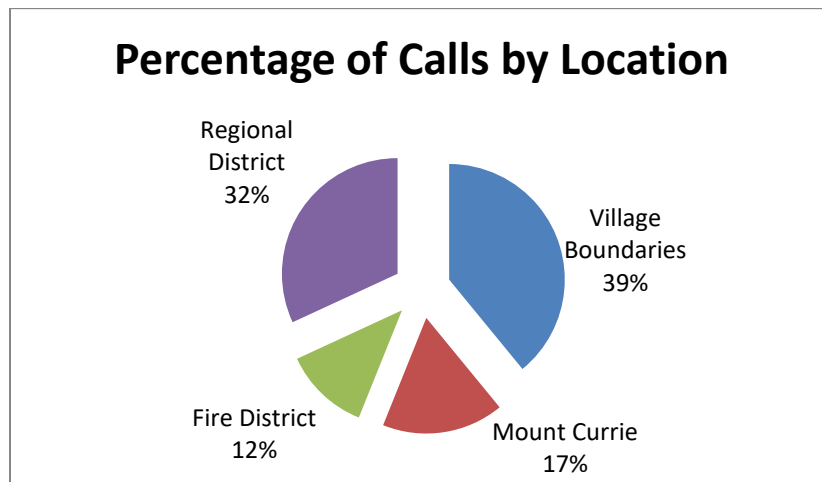
Incidents summarized

		Totals	Percentage
1	Medical	85	31.84%
2	Motor Vehicle Accident	66	24.72%
3	Alarms	37	13.86%
4	All Fire Related Incidents	33	12.36%
5	Miscellaneous Calls	17	6.37%
6	Burn Complaint / Smoke Sightings	16	5.99%
7	Hydro Lines down, Assist Hydro	13	4.87%
	Totals	267	100%



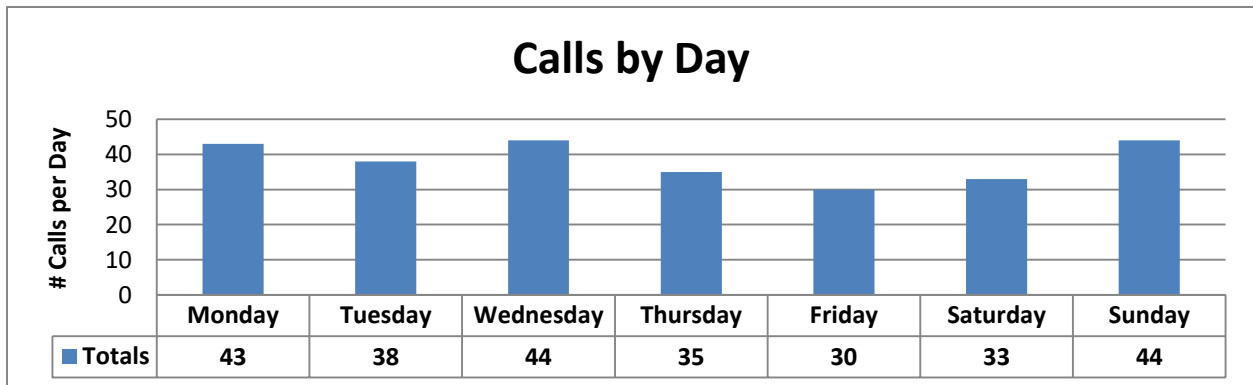
Calls by Type by Location

	Village Boundaries	Mount Currie	Fire District	Regional District	Birken	D'Arcy
Alarms	23	2	8	4		
Medical Calls	36	23	4	16	3	3
Appliance Fire	1	1		1		
Assist with area flooding	1					
Burn Complaint	4	2	4	1		
Chimney Fire		5		1		
Electrical Fire	1					
Fire Unclassified		1	1			
Gas Spill	1					
Grass Fire		1				
Hazardous Material	3	1				
Hydro Assist	5		2	5		1
Motor Vehicle Accident	19	2	10	35		
Public Service	3	1	1	1		
RCMP Police Assist	1	1		1		
Rescue & Safety	1					1
Rubbish	1			1		
Smoke Sighting	2	1	1	1		
Structural Fire		3		1	1	
Vehicle Fire	2			4		
Wildland Fire		2	1	3	1	
Totals	104	46	32	75	5	5
Percentage of Calls by Location	39%	17%	12%	28%	2%	2%



Calls by hour by Day

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00:00 - 00:01:00			1			1	
00:01:00 - 00:02:00			1				1
00:02:00 - 00:03:00	2	1	1		2		2
00:03:00 - 00:04:00	1						2
00:04:00 - 00:05:00	1	1		1		2	
00:05:00 - 00:06:00	3	1				2	1
00:06:00 - 00:07:00		2	1	1		2	1
00:07:00 - 00:08:00	1	2	2	1	1		2
00:08:00 - 00:09:00	1	3	2			2	
00:09:00 - 00:10:00	3	1	3	1	1		3
00:10:00 - 00:11:00		1	3	1	1		
00:11:00 - 00:12:00	5	2		2	6	1	2
00:12:00 - 00:13:00		8	2	3	2	2	1
00:13:00 - 00:14:00		3	1	3	1	1	3
00:14:00 - 00:15:00	3	3	2	3	2	2	3
00:15:00 - 00:16:00	4	3	4	3	1	1	4
00:16:00 - 00:17:00	1	1	2	4	2	1	3
00:17:00 - 00:18:00	5	2	5	3	1	2	2
00:18:00 - 00:19:00	3	1	3		1	3	3
00:19:00 - 00:20:00	5	1	2	4	2	1	2
00:20:00 - 00:21:00	1	1	3	1		4	3
00:21:00 - 00:22:00	2	1	1	2	3	2	1
00:22:00 - 00:23:00			2		2	2	2
00:23:00 - 00:24:00	2		3	2	2	2	3
Totals	43	38	44	35	30	33	44



Call by Hour Monday to Sunday Midnight to 7 am

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00:00 - 00:01:00			1			1	
00:01:00 - 00:02:00			1				1
00:02:00 - 00:03:00	2	1	1		2		2
00:03:00 - 00:04:00	1						2
00:04:00 - 00:05:00	1	1		1		2	
00:05:00 - 00:06:00	3	1				2	1
00:06:00 - 00:07:00		2	1	1		2	1
Totals	7	5	4	2	2	7	7

Call by Hour Monday to Sunday 7 am to 5 PM

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:07:00 - 00:08:00	1	2	2	1	1		2
00:08:00 - 00:09:00	1	3	2			2	
00:09:00 - 00:10:00	3	1	3	1	1		3
00:10:00 - 00:11:00		1	3	1	1		
00:11:00 - 00:12:00	5	2		2	6	1	2
00:12:00 - 00:13:00		8	2	3	2	2	1
00:13:00 - 00:14:00		3	1	3	1	1	3
00:14:00 - 00:15:00	3	3	2	3	2	2	3
00:15:00 - 00:16:00	4	3	4	3	1	1	4
00:16:00 - 00:17:00	1	1	2	4	2	1	3
Totals	18	27	21	21	17	10	21

Call by Hour Monday to Sunday 5 pm to Midnight

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:17:00 - 00:18:00	5	2	5	3	1	2	2
00:18:00 - 00:19:00	3	1	3		1	3	3
00:19:00 - 00:20:00	5	1	2	4	2	1	2
00:20:00 - 00:21:00	1	1	3	1		4	3
00:21:00 - 00:22:00	2	1	1	2	3	2	1
00:22:00 - 00:23:00			2		2	2	2
00:23:00 - 00:24:00	2		3	2	2	2	3
Totals	18	6	19	12	11	16	16

Community Events Involvement:

In 2016, Pemberton Fire Rescue provided public service assistance and actively participated in or supported the following public and community events: Winterfest, DiamondRally Charity Event, Off Road Rebels 4x4 Rally, Canada Day, Ironman, Pemberton Music Festival, Shake-Out BC, Halloween and Remembrance Day.

Pemberton Fire Rescue assisted with traffic control at the Canada Day Parade, Halloween and Remembrance Day as well as participating in both the Canada Day Parade and the Remembrance Day Parade.

Pemberton Fire Rescue was on hand to deal with any situations that may have arisen from the fireworks show during Halloween. The Department is proud to have five members certified as Fireworks Operator Display Assistant and trained through the Natural Resources Canada National Fireworks Certification Program. This training allowed the members to assist retired member Tom Quenneville with the display in 2016. This training was done in-house as the Fire Chief also holds a Fireworks Operator Display Supervisor Certificate and is authorized to teach the course through the Explosives Regulatory Division.

Pemberton Fire Rescue continued to provide a presence at the Pemberton Music Festival. This could not have been achieved without the help of an additional fifty-five firefighters from various fire departments from Lillooet, the Lower Mainland and Vancouver Island to assist with providing coverage both at the festival grounds and at the Fire Hall in the Village. It was valuable working with these individuals from various departments learning new approaches as well as exchanging training and response ideas.

To date 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 in advance of an event or activity to ensure resources are in place to effectively provide fire responder services.

Fire Inspections:

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

In 2016, twenty-eight fire inspections were carried out, some of these were annual inspections and some were as a result of new business startups.

Pemberton Fire Rescue also facilitated five inspections as part of the secondary suite statutory declaration program implemented by the Village in 2007.

Fire Establishment Bylaw:

In 2016, the Village of Pemberton adopted a new Fire Establishment Bylaw No. 807, 2016. This updated bylaw better reflects new legislation and provides clearer definitions on the role of the Department. The former Fire Establishment Bylaw No. 68, 1969 and Fire Establishment Amendment Bylaw No. 200, 1986 were both rescinded.

Fire Establishment Bylaw No. 807, 2016 addresses the roles and responsibilities of the Fire Department and further ensures compliance with the *Local Government Act* and the pending *Fire Safety Act* that will replace the *Fire Services Act*.

The new bylaw complements the Fire Prevention Bylaw, No. 744, 2013 and its amendments to address construction bans, fire pit sizes and a revised fee schedules which were adopted in 2015 and earlier in 2016. As well, the new Fire Establishment Bylaw officially recognizes the updated name of the Department to be: **Pemberton Fire Rescue**.

Fire Prevention:

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 safety information is also distributed to the students at Signal Hill Elementary School during Fire Prevention Week.

Fire Hall tours were also provided to local youth groups and classes from the Pemberton Children's Centre, students L'École La Vallee de Pemberton, and a Grade 2/3 class from Signal Hill Elementary School.

Fire Hall Tours



Pemberton Children's Centre - Beetlebugs



Grade 2/ 3Class

The Department also makes itself available to provide Fire Extinguisher Training to local businesses upon request.

The highlight of the year was an Open House held on October 29 at which over fifty adults and children attended. The purpose of the event was to unveil the new Triple Combination Pumper Truck and give residents an opportunity to tour the Fire Hall and learn more about the services the Department provides. Public Education, FireSmart and Fire Extinguisher training events were conducted and residents were offered tours of all the fire apparatus. The success of this first Open House has ensured that this public education and outreach approach will continue going forward.

Below are a few pictures of the event.



Grant Funding for Fire Prevention:

In 2016 the Village was successful in receiving a \$10,000 Strategic Wildfire Prevention Initiative – FireSmart Grant. Two members of the Department travelled to Calgary to take part in a three day training course, and are now able to provide training and support to residents to undertake activities that will mitigate risk from wildfire in the wildland urban interface (the area where structure and forest areas meet). Two workshops for local residents were held January 12th and 28th, 2017.

The Village also successfully made application for funding to participate in the Strategic Wildfire Prevention Initiative. This program is designed to help local municipalities update their Community Wildfire Protection Plan (CWPP). Staff has been working on completing the updates with the document to be finalized in early 2017.

Fire Station Information:

Pemberton Fire Hall has seen a few renovations occur in 2016. Vehicles had to be shuffled around to accommodate the new Triple Combination Pumper Truck. This required a wall to be taken down between the truck bay and the firefighter gym. Two new garage doors were installed in the middle bays to accommodate the widening of these bays to make the trucks fit.

A new storage rack was purchased and installed to create more storage in the ladder bay.

Health and Safety:

Section 31.3 of WorkSafe BC establishes that if an employer is required under Part 3 of the Workers Compensation Act to establish a joint committee or worker health and safety representative, then a fire department or industrial fire brigade operated by the employer must have a separate joint committee or worker health and safety representative, as applicable.

This relates to the following items:

- Personal Protective Clothing and Equipment
- Respirators and SCBA
- Transportation
- Aerial Devices and Ground Ladders
- Other Equipment

The Fire Chief is a member of the Village of Pemberton Health and Safety Committee. As per WorkSafe BC requirements Pemberton Fire Rescue will be forming a similar Work Safe Committee within the Fire Department in 2017.

2008 Fire Underwriters Survey Recommendations and Status Review

The Fire Underwriters Survey (FUS) Report from 2008 identified thirty-four recommendations for implementation by PFR. These recommendations are identified in the chart below and the column on the right shows the status of implementation as at December, 2016.

As seen in the chart the majority of the items are completed or ongoing.

Item	Importance	Recommendation	Status
1	Medium	Recommendation 8.2 1 Develop fire protection master plan document	Ongoing
2	Medium	Recommendation 8.2 2 Develop and implement formal organization documents	Ongoing
3	Medium	Recommendation 8.2 3 Improve filing system	Complete / Ongoing
4	Medium	Recommendation 8.2 4 Improve documentation of budgets and finances	Ongoing
5	Low	Recommendation 8.2 5 Include apparatus replacement and upgrade fund in budget	In Progress
6	Low	Recommendation 8.3 1 Complete structural assessment for fire station	Complete
7	Low	Recommendation 8.3 2 Plan to replace fire station	
8	Medium	Recommendation 8.3 3 Provide exhaust extraction to fire station	Researching
9	Low	Recommendation 8.5 1 Decommission 1971 Pumper	Complete
10	Medium	Recommendation 8.5 2 Develop and Implement Replacement Schedule for Apparatus	Ongoing
11	High	Recommendation 8.5 3 Test and Submit Results of Tests for Older Apparatus	In Progress
12	Medium	Recommendation 8.9 1 Ensure Hose and Ancillary Equipment is tested and meets NFPA Standards	In Progress
13	Low	Recommendation 8.11 1 Develop a formal agreement for Fire Protection Services with Mount Currie	In Progress
14	High	Recommendation 8.12 1 Improve Available Fire Forces	Ongoing
15	High	Recommendation 8.13 1 Provide a Minimum First Due Pumper Company of 4	Complete
16	High	Recommendation 8.14 1 Improve Record Keeping for Training Program	Complete / Ongoing
17	Medium	Recommendation 8.14 2 Develop Training Curriculum and Use Database to Record and Monitor Progress	Complete / Ongoing
18	Medium	Recommendation 9.2 1 Improve Fire Prevention Program	Ongoing
19	Medium	Recommendation 9.3 1 Improve Driveway and Lane Design for Firefighting Access	Researching
20	Low	Recommendation 9.5 1 Develop and implement Pre-incident (pre-fire) planning program	Researching
21	Low	Recommendation 9.6 1 Develop a Wildland Interface Risk Management Plan	In Progress
22	High	Recommendation 10.1 1 Change to Emergency Communication Centre based system	Complete
23	High	Recommendation 10.1 2 Implement 9-1-1 emergency call system	Complete

24	High	Recommendation 10.1 3 Train dispatchers to NFPA 1061 Standard	Complete
25	High	Recommendation 10.1 4 Improve maintenance and redundancy of critical communications equipment	Complete
26	Medium	Recommendation 11.5 1 Improve Overall Redundancy of the Water System	Complete
27	Medium	Recommendation 11.5 2 Provide Back-up Pump for Primary Pump(s)	Complete
28	Medium	Recommendation 11.5 3 Provide Back-up Power Supply for Primary System Components	No backup power but improved capacity
29	High	Recommendation 11.5 4 Provide Additional Water Storage Capacity	Complete
30	High	Recommendation 11.5 5 Provide Hydrants for All SFR Properties	Ongoing
31	High	Recommendation 11.5 6 Improve Water System Available Fire Flows to Meet Calculated Fire Flow Requirements	Complete / Ongoing
32	Low	Recommendation 11.5 7 Improve use of Technology to Manage, Plan and Optimize Water System	Complete
33	Low	Recommendation 11.5 8 Improve Record Keeping of Daily Water Usage	Complete
34	Medium	Recommendation 11.5 9 Develop Formal Water Supply Plan for Non-Hydrant Protected Areas; Consider Dry Hydrants	Researching

2017 Projects:

The following projects have been identified for the 2017 work plan:

Operations:

1. Pemberton Fire Rescue will be reviewing and updating the current Operational Guidelines established in 2009 to meet the current changes that have been brought in place by regulatory and governing bodies.

Fire Hall:

1. As per WorkSafe BC, and identified in the 2008 FUS Report, an exhaust air extraction system is required. Pemberton Fire Rescue is researching options for installing an appropriate system in the Fire Hall.
2. Expansion to the Fire Hall has been identified as necessary as the Hall is becoming crowded due to growth and new equipment purchase. If a major incident occurs which lasts for a long period of time there is no location to have briefings or a rehab area. Currently when training during cold or bad weather Fire Trucks are moved out in front of the Fire Hall so that a classroom can be accommodated in the truck bay. It is not best practice to have trucks out in the elements when not in use. Exploring options and costs to accommodate a meeting room will be undertaken.
3. Pemberton Fire Rescue also shares a single bathroom with public works. Improved washroom facilities with male and female showers are recognized as necessary in order to ensure that members are able to wash off contaminants after an incident and prior to going on their next job or home. This has been identified as a health risk to firefighters, their families and co-workers. Exploring the options and costs to improve the facilities will be undertaken.
4. The Fire Hall also houses a bulk water fill station which services operators wishing to purchase bulk water (i.e.: for road work/dust mitigation). This station is metered and requires a member of either the Village Public Works crew or the Fire Chief to be on hand to monitor the purchase of bulk water. This process not only impacts operations of both departments but also results in access to the Fire Hall being blocked which impacts the Departments ability to respond to a call if one comes in while a truck is being filled. As a result, the Fire Department along with Public Work will be reviewing options to resolve these challenges which could result in the installation of a coin and card lock filling station which can be accessed at any time.

Fire Prevention:

Pemberton Fire Rescue is gearing up for another year of Public Education Events which includes Fire Department hall and school tours. We are also looking at expanding the Fire Extinguisher training program for the public. PFR is looking at different ideas and have identified a fire extinguisher training prop that is available which uses propane as a clean burning agent and water as the extinguishing agent that could improve this program. The cost of the prop is \$12,000 and we are looking at ways to fundraise for this.

FireSmart is another program that we are looking at for this year. Given the large scale fires over the last few years in other communities throughout British Columbia and Alberta, PFR has determined that this is necessary especially in the area which we live. More education is needed to make homeowners aware of different ways to deal with their yard waste. Instead of burning or dumping yard waste in the woods, use a facility that composts it. Another initiative is helping people assess their yards and neighbourhoods to make it fire safe. PFR currently has three members who are trained in the FireSmart Program and who will continue to educate and inform the public on the initiatives identified above.

Training Ground:

Pemberton Fire Rescue is looking at upgrading the training grounds to provide a more adequate facility to better improve training and to provide an option to train other departments to the new Playbook standards.

Currently the Pemberton Firefighters Association planning and designing of a “Cold Smoke Building” to provide training in a non-hazardous environment to prepare fire fighters for structure fires. The Association has received funding from Rotary and other donations for the construction materials. Prep work for the grounds needs to be done so that construction can be started.

In addition, a review of the site is being conducted to determine the best location for other training props and structures. Items such as an Auto Extrication area, Vehicle fire area, live fire training building in place, , are a few things being looked at. Proper fencing needs to be installed to protect the site and keep people out of area for safety purposes.

Apparatus and Equipment:

1. As identified in the 2008 FUS report the ladder truck should be replaced. Pemberton Fire Rescue Ladder Truck is now thirty-six (36) years old and it has been noted at the last two Commercial Vehicle Inspections that parts are becoming harder to find. The pump parts are old and if a major mechanical issue occurs it may be difficult and very costly to repair. This has prompted Pemberton Fire Rescue to start sourcing options for a replacement ladder truck. This is particularly important in light of the number of new multi-story development projects either under construction or being contemplated within the Village.
2. Pemberton Fire Rescue will also be researching the feasibility of a duty/utility vehicle. Currently if additional equipment is required or the use of the utility/hazmat/wildland trailer is needed, it is often a Members personal vehicle being utilized to move this equipment.
3. Pemberton Fire Rescue is working on a schedule for equipment replacement. Items such as bunker gear and fire hoses have a ten year life span. This equipment is expensive and a rotational schedule is being implemented to ensure large costs are not incurred in any single year.
4. Self-Contained Breathing Apparatus (SCBA) is another item under review. The equipment is old but still functional; however parts are becoming difficult to find and as changes in regulations occur, replacement parts are being discontinued. This in turn

renders the equipment obsolete. The current life cycle of the SCBA equipment being used is under review.

5. The compressor system to fill the SCBA tanks is very old. It cannot fill the new SCBA tanks that are being used by the majority of fire departments throughout North America. As an example, when providing or assisting with mutual aid with Whistler, they cannot fill our tanks and we cannot fill their tanks. Replacement of the compressor system is under review and options are being developed for a parts replacement program with consideration being given to the life cycle of the unit.

Fitness:

Pemberton Fire Rescue is looking at ways to help the paid-on-call firefighters with a fitness program as well as ways to reduce the risk of cancer among its members. Research has been conducted and ***“A Firefighter has a 29% higher risk of contracting cancer than the rest of our population.”***

The link below gives some examples to help with exercise and cleansing the body of toxins.

https://www.youtube.com/watch?v=weY_Rq4w7Kk

Statistics show that firefighting is one of the most dangerous occupations in the world. Volunteer firefighter fatalities accounted for seventy-three percent of all firefighting-related deaths in 2006. In that year, stress was the leading cause of on duty deaths among volunteer firefighters, leading to the death of thirty-eight firefighters. Heart attacks were the direct cause of death in over forty-seven percent of on duty volunteer firefighter fatalities. In both nature and cause, stress and heart attacks killed a higher percentage of on duty volunteer firefighters than career firefighters, making clear the need for increased emphasis on cardiovascular health, physical fitness, and overall wellness in the volunteer emergency services.

Training:

1. As noted above, the BC Office of the Fire Commissioner PLAYBOOK sets out minimum training standards that must be implemented. This has resulted in ensuring that ongoing training is facilitated. The majority of this training can and is being done in-house but is limited in some instances. Other training can be accommodated by either bringing instructors in or sending members away to courses. Currently the cost of training, whether in-house (books, registration and exams) or accommodated in other ways, has been established at minimum \$1,750 per member per year.
2. The Fire Department Establishment Bylaw laid out the emergency services that Pemberton Fire Rescue will provide to the area. A review of Member's certifications and training requirements is being conducted. This is to ensure that the Pemberton Fire Rescue Department continues to meet the Strategic Priority Theme Three: Excellence in Service by ensuring that the Village continues to deliver the highest quality of municipal services within the scope of our resources.

Training Standard Table from Establishment Bylaw:

Emergency Service Provided	Certification Level Or Standard Requirements
Fire Fighting Services	
Fire Fighting - Structural	NFPA 1001 Level II, ICS 100, NFPA 1002. Fire Officers Require the following: NFPA 1021 Level I, ICS 200, Incident Safety Officer, Emergency Scene Management.
Fire Fighting – Vehicles/Machinery/Equipment	NFPA 1001 Level II, NFPA 1002
Fire Fighting – Wildland/Urban Interface	NFPA 1051 Level I
Emergency Medical Services	
Medical First Responder	First Responder Level III, AED & Spinal Immobilization
Rescue Services	
Motor Vehicle Collisions – Vehicle Extrication	NFPA 1670, NFPA 1006, Basic Skills
Vehicle Search and Rescue	NFPA 1006 Confined Space Entry, Heavy Urban Search and Rescue Swift Water Awareness
Confined Space Rescue	
Trench and Excavation Search and Rescue	
Aircraft Rescue	
Rope Rescue	
Structural Collapse Search and Rescue	
Water Search and Rescue (Flooding)	
Powerlines Down	BC Hydro - Electrical Safety for Fire Fighters
Hazardous Material Response	NFPA 472, Operations Level
Other Services	
Fire Education Services	NFPA 1035, Level I
Fire Service Instructor Services	NFPA 1041, Level II
Fire Code Inspection Services	NFPA 1031, Level I
Fire Investigation	NFPA 1033

Fire Service and Mutual Aid Agreements:

1. The Village of Pemberton and Squamish-Lillooet Regional District (SLRD) are currently negotiating the renewal of the Fire Service Agreement. The Interim Agreement signed in early 2016 has been extended to the end of April, 2017 to facilitate the conclusion of these negotiations. It is anticipated that the new agreement will be in place this spring.
2. Negotiations between the Village and Lil'wat Nation for a Fire Services Agreement, which will outline the continued provision of services to Lil'wat, have begun with an aim to be completed by the spring of 2017.
3. A review of the Mutual Aid Agreement with the RMOW started in 2016 and is anticipated to be concluded with no significant changes in 2017.
4. Pemberton Fire Rescue and the Village of Pemberton are in discussions with the Birken Fire Society with an aim to establish an Agreement that will address liability and indemnity. It is anticipated that this will be completed in 2017.

5. Pemberton Fire Rescue and the Village of Pemberton are in discussions with the Pemberton Meadows Fire Society to see how they will fit in and work together with Pemberton Fire Rescue.

Firefighter's Pledge

Author Unknown

I promise concern for others.

A willingness to help all those in need

I promise courage - courage to face and conquer my fears.

Courage to share and endure the ordeal of those who need me

I promise strength – strength of heart to bear whatever burdens might be placed upon me.

Strength of body to deliver to safety all those placed within my care.

I promise the wisdom to lead, the compassion to comfort,

the love to serve unselfishly whenever I am called.

