

Date: July 28, 2020
To: Nikki Gilmore, Chief Administrative Officer
From: Robert Grossman, Fire Chief
Subject: Second Quarter Report

PURPOSE

To provide Council with a summary of the activities of the Pemberton Fire Rescue Department for the Second Quarter of 2020.

BACKGROUND

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 Fire Service Agreement.

Pemberton Fire Rescue also provides Road Rescue Service to the entire SLRD Electoral Area C covering 5,570 square kilometers pursuant to SLRD Pemberton Fire Rescue Contribution Service Conversion and Establishment Bylaw No. 715-2001.

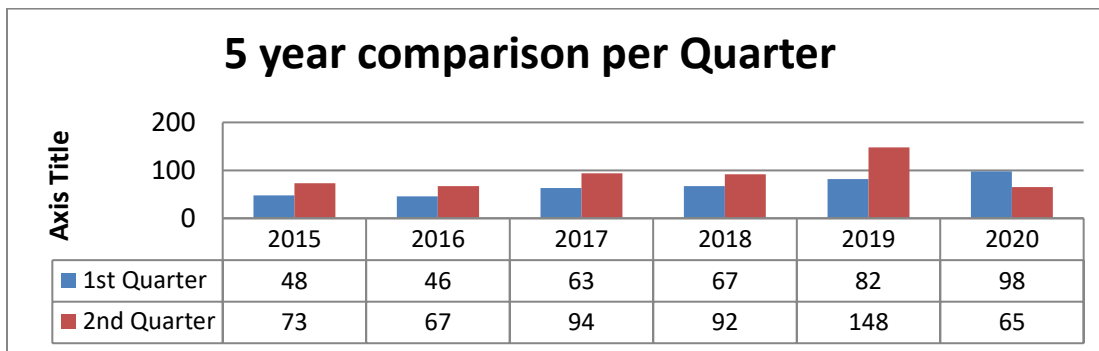
Fire Service is also provided to Lil'wat Nation through a separately negotiated Fire Service Agreement which was established in 2017.

DISCUSSION & COMMENTS

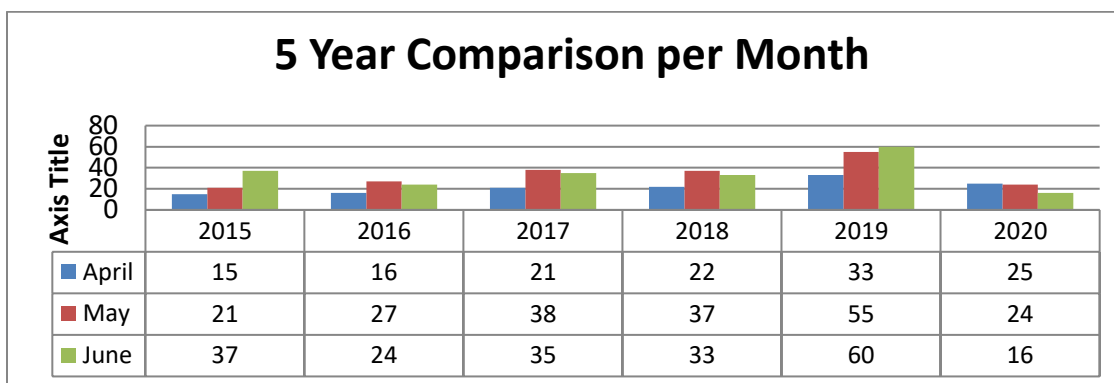
Incidents:

For the Second Quarter, Pemberton Fire Rescue responded to sixty-five incidents; this is a decrease of eighty-three incidents, down from one hundred and forty-eight over the same period in 2019. This decrease is due to Pemberton Fire Rescue not responding to medical incidents since the start of the second quarter, which was mandated by the Province as a result of the protocols put in place in response to the COVID-19 Pandemic.

A comparison chart by Quarter over the last five (5) years is shown below.



The table below shows the total number of incidents since 2015 by month.



The highlighted green squares indicate number of incidents greater than number of days in a month.

	Incidents by month since 2008					
	2015	2016	2017	2018	2019	2020
January	14	16	31	21	32	29
February	19	17	18	30	25	29
March	15	13	14	16	25	40
April	15	16	21	22	33	25
May	21	27	38	37	55	24
June	37	24	35	33	60	16
July	32	42	32	48	47	0
August	34	25	38	38	33	0
September	15	18	24	51	49	0
October	12	12	27	29	26	0
November	16	27	21	21	36	0
December	27	30	27	43	38	0
Totals	257	267	326	389	459	163

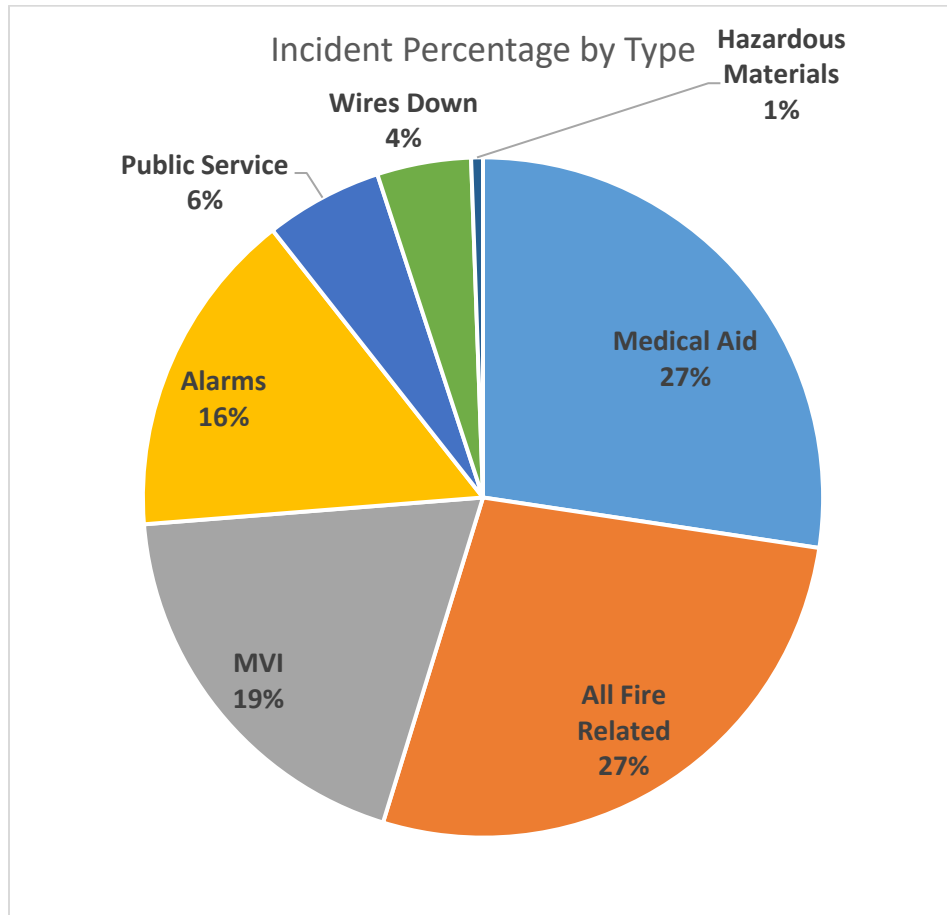
Number of Incidents per day for 2020 Year

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
1	2	3	2										7
2	1	1	2		1								5
3	2	1	2										5
4	2	1			1								4
5	1		1		1								3
6		1											1
7	2	1	3	5		1							12
8			1	2									3
9			2		1								3
10		1		3		2							6
11	1			2	1								4
12	1		2										3
13													0
14		1	1	1		2							5
15	3		4		1								8
16	1			2	1								4
17	1	2	2	4	1								10
18		1			1								2
19	3	2	1		2	1							9
20		2	1		1	1							5
21	1	2			1	3							7
22			2										2
23		4	1	3	4	2							14
24				1	2								3
25	1		4		1								6
26	3	1	1	1	2								8
27	2	1	3		2	1							9
28	1	4		1									6
29						2							2
30	1		4			1							6
31			1										1
Totals	29	29	40	25	24	16							163
Days Month	31	29	31	30	31	30	31	31	30	31	30	31	
Colour Coding		1 - 2			3 - 4			5 - 10			11 +		

Types of Responses:

As set out in the Fire Department Establishment Bylaw No. 807, 2016, Pemberton Fire Rescue responds to several different types of incidents, and as per locations identified in the Service Agreements with the SLRD and Lil'wat Nation.

Below is a pie chart and a table that summarizes the number of callouts per type of incident attended.

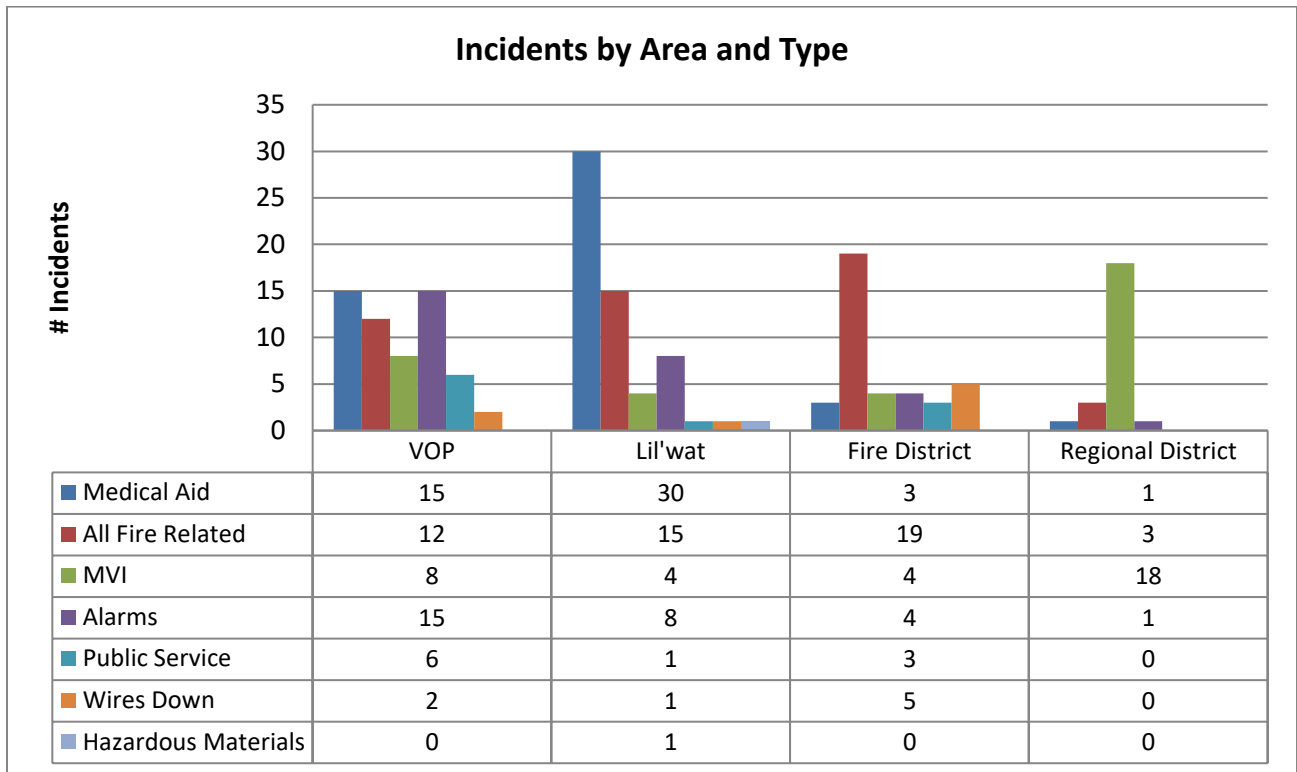


Incidents by Area:

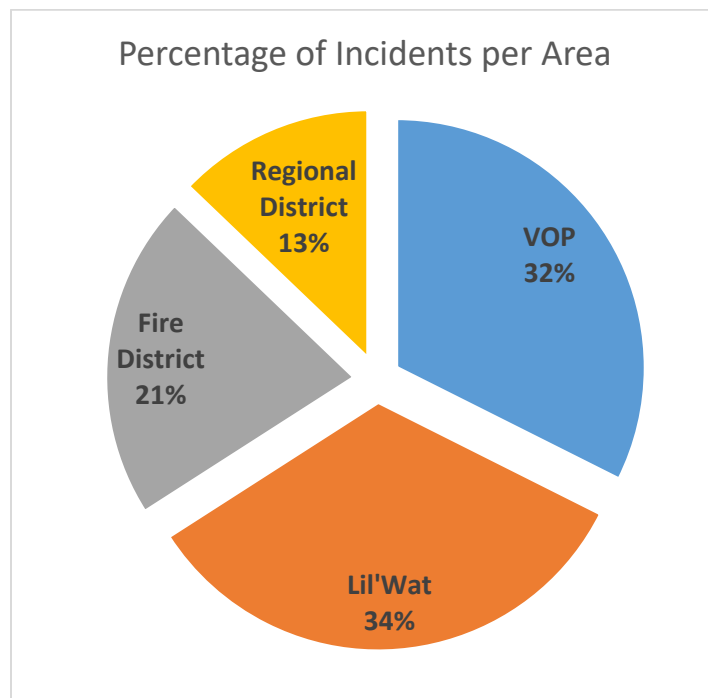
The breakdown of the incident reports is categorized into the following regions:

- Village of Pemberton
- Lil'wat Nation
- Fire District Service Areas in the SLRD; and
- Regional District (or outside the Fire District zones including north of Mount Currie north of The Heights and south of the Village Boundaries).

Chart below shows the Incidents by area and Type:



Below is a chart showing the percentage breakdown of incidents by area



Membership:

At the end of the Second Quarter, membership stands at thirty-two and is comprised of two (2) full-time members and thirty volunteers (paid on-call) members.

Training:

Members in June started training again on a weekly basis with a modified program. We are holding four (4) training sessions a week with 4 – 6 members per training session. This has added to an increased commitment by the Chief and Deputy Chief to continue to meet the training requirements set forth by the Province as well as ensuring to maintain the social distancing protocols set forth by the Province.

Second Quarter Commitments:

In the Second Quarter, Pemberton Fire Rescue held ten training sessions (30 hours) responded to ninety-eight incidents (98 hours) and participated in one (1) public event (2 hours).

COVID-19 Pandemic Bylaw Enforcement Assistance:

As of March 30th, Pemberton Fire Rescue Members have been assisting Bylaw Services by patrolling within the community and supporting the efforts to educate the public with respect to social distancing protocols put in place through the Provincial Health Orders. Funding to support this work has been provided through Emergency Management BC (EMBC).

Eleven Members have supported these efforts which entailed two shifts per day (two members per shift) patrolling the Village Core on foot, monitoring activities at local parks, parking lots and open spaces and engaging with the public by reminding of the social distancing protocols. In June, the shifts adjusted to Friday, Saturday and Sunday only as funding through EMBC for this initiative was reduced as the Province began to open.

Fire Prevention, Inspections & Public Events:

During the Second Quarter, the following fire prevention, inspections, education, and public service initiatives were completed and attended by Pemberton Fire Rescue members.

- Three (3) new business application reviews and fire inspections
- Two (2) Fire Safety Plans were reviewed

Fire Insurance Grading Update

On May 15, 2020, the Village received confirmation from the Fire Underwriters Survey (FUS), that Pemberton Meadows Fire Association, which operates in the Pemberton Meadows Fire Protection Area, is within eight (8) Kilometers in road travel from a responding fire station. (**Appendix A**). As such, the Pemberton Meadows Fire Association is eligible for fire insurance grading recognition which means this area is now considered to hold Semi Protected Fire Status. This will result in substantial insurance cost savings for the residents in this area. This could not have been accomplished without the hard work and determination of the dedicated Pemberton

Meadows Fire Association volunteers and the commitment of both the Village of Pemberton and Squamish-Lillooet Regional District.

Subsequently, the Village was advised by FUS this month that the Village's fire insurance upgrades were updated. (**Appendix B**). In this regard, the two charts below show the grades for commercial and residential fire protection. The first chart shows the commercial grade within 5 kilometers of the Fire Hall by road travel has changed from 7 to 5. The second chart shows the residential grade within 8 kilometers of the Fire Hall by road travel to have changed from 3A to 2.

Public Fire Protection Classification (PFPC) Updates

SUB DISTRICT(S) and (contract protection areas)	PFPC Previous	PFPC 2020	COMMENTS
Village of Pemberton	7	5	Hydrant Protected – Commercial Lines insured properties within 5 km in road travel distance of the Pemberton fire station and within 150 m in hose lay of a recognized hydrant on a Village of Pemberton water distribution systems.
	9	9	Fire Hall Protected – Commercial Lines insured properties within 5 km in road travel distance of the Pemberton fire station but not within 150 m of hose lay of a recognized hydrant.
	10	10	Unprotected - Commercial Lines insured properties not within 5 km in road travel distance of the Pemberton fire station.

Dwelling Protection Grade (DPG) Updates

SUB DISTRICT(S) and (contract protection areas)	DPG Previous	DPG 2020	COMMENTS
Village of Pemberton	3A	2	Hydrant Protected – Personal Lines insured dwellings within 8 km in road travel distance of Pemberton fire station and within 300 m of a recognized hydrant on a recognized water distribution system.
	3B	3B	Firehall Protected – Personal Lines insured dwellings within 8 km in road travel distance of the Pemberton fire station but not within 300 m of hose lay of a recognized hydrant
	5	5	Unprotected – Personal Lines insured dwellings beyond 8 km in road travel distance of the Pemberton fire station

The Report also indicates areas of improvement that can be implemented to maintain the updated rating. The current indication is that Pemberton Fire Rescue needs to improve its available fire force including more Paid-On-Call Firefighters, an increase in the number of pre-incident plans on commercial properties and establishment of a more routine fire inspection schedule.

As well, FUS sets out water supply grading which is a component of the evaluation process to determine fire protection levels. As the Village has made upgrades to the water system (construction of 2 new reservoirs and improved system looping) Pemberton Fire Rescue will be working with Public Works to perform fire flow testing to ensure the Village meets or exceeds the fire flow requirements. The results will be forwarded to FUS for review and given the upgrades to the system we are hopeful that FUS will consider upgrading our water supply rating for the Village.

Pemberton Fire Rescue is pleased to advise that as a result of the work undertaken to collect the call data and statistics FUS was able to evaluate and update the fire insurance grades without a on-site visit which resulted in significant cost savings to the Village.

COMMUNICATIONS

Pemberton Fire Rescue coordinates with the Village's Senior Community Partnership and Communications Coordinator on public service announcements and will message out via the Village's Facebook Page, eNEWS and in the local paper as required.

LEGAL CONSIDERATIONS

There are no legal, legislative, or regulatory considerations at this time.

IMPACT ON BUDGET & STAFFING

This report was prepared in-house and is a component of the regular operations of the Department.

INTERDEPARTMENTAL IMPACT & APPROVAL

There are no interdepartmental impacts or approvals for considerations at this time.

IMPACT ON THE REGION OR NEIGHBOURING JURISDICTIONS

The activities of Pemberton Fire Rescue, such as increased fire prevention awareness activities, firefighter recruitment and training support to improve upon the current level of service to the Village and the Fire Service District Service Area. This is a benefit to the community and positively impacts the Squamish-Lillooet Regional District and Lil'wat Nation.

ALTERNATIVE OPTIONS

There are no alternative options for consideration.

RECOMMENDATIONS

THAT the 2020 Second Quarter Fire Department Report be received for information.

Attachments:

Appendix A: Fire Underwriters Survey, Pemberton Meadows Grade Update, dated May 15, 2020

Appendix B: Fire Underwriters Survey, Pemberton Grade Update, dated July 10, 2020

Prepared or Submitted by:	Robert Grossman
CAO Approval by:	Nikki Gilmore, Chief Administrative Officer