

# BURNABY FIRE DEPARTMENT ANNUAL REPORT 2021







COVER PHOTO: BOUNDARY ROAD FIRE (COURTESY OF RYAN STELTING)  
MVA (COURTESY OF RYAN STELTING)



## BURNABY FIRE DEPARTMENT PRIMARY RESPONSIBILITIES

Protecting the property, the safety and the well-being of the citizens of Burnaby.

Providing all-hazards emergency response and rescue services, including motor vehicle incident rescue and hazardous material response.

Providing comprehensive fire, safety services.

Providing fire code inspections and enforcement.

Providing community education and support.

Providing a high level of first response emergency medical care.

Providing major emergency and disaster response.

Fulfilling legislative responsibilities governing the operation of the Fire Department as required under the authority given by the British Columbia Fire Services Act, the Burnaby Fire Services Bylaw, British Columbia Fire Code and other related Acts.





GILMORE AVENUE FIRE





## FIRE CHIEF'S MESSAGE

The Burnaby Fire Department has been proudly serving the City and its citizens since 1911. Our mission is to protect the lives and property of our citizens through the reactive emergency response operations of firefighting, rescue and medical aid, and the proactive engagements of fire prevention, inspections, code enforcement and safety education.

The Burnaby Fire Department is the third-largest fire department in British Columbia, with 315 employees serving a population of 261,955<sup>1</sup> and protecting 98.6 km<sup>2</sup>. The City of Burnaby includes four (4) major quadrants, each consisting of a dense town centre area, high and low-density residential, large commercial and industrial business districts, and significant dedicated parkland and green spaces.

The Department is made up of five (5) divisions, each staffed with highly trained and extremely motivated members focused on protecting our city. The City appreciates the commitment and efforts of our department members in supporting our citizens and enabling the excellent work of our first responders. Each division within the Department is critical to our collective success. These divisions include:

- » Suppression
- » Administration
- » Prevention
- » Mechanical
- » Training

1. Population projected by BC Stats.

The Burnaby Fire Department takes great pride in the many traits that make us a leading community-based service organization. These include:

- » an outstanding commitment to quality customer service
- » our belief that we are an important part of our community
- » our dedication to improving the safety and quality of life of the City's residents and visitors

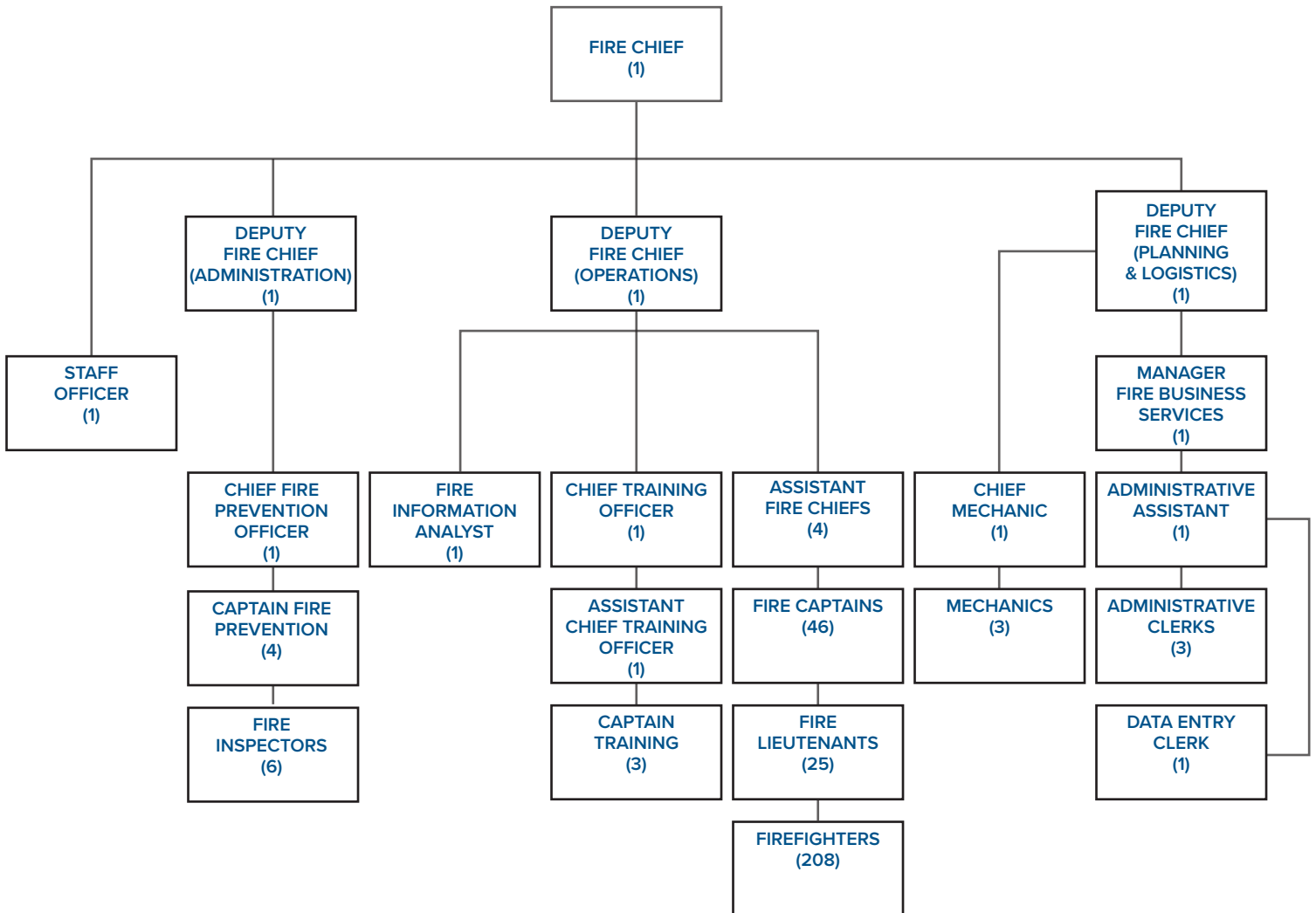
Our department has a long-standing history of providing quality service and programs to the community. We remain committed to providing enhanced customer care services in the future through enhanced collaborative community interaction with the City of Burnaby and Burnaby Firefighters Association Local 323.

In closing, we are ready, as always, to respond to your needs with trust, integrity, respect, teamwork and professionalism.

A handwritten signature in blue ink that reads "Chris Bowcock".

Chris Bowcock  
Fire Chief

# DISTRIBUTION OF PERSONNEL | TOTAL PERSONNEL 315



## PROMOTIONS

### Deputy Fire Chief

Ian Hetherington

### Staff Officer

Mike Beauregard

### Manager Fire Business Services

Sharon Caughlin

### Assistant Fire Chief

Darcy Robinson

### Fire Captain

Dave Edgecombe

Patrick Hu

Mark Lambert

Lorenzo Pettenon

John Wiesner

### Fire Lieutenant

Kevin Galick

Craig McDiarmid

Brad McLean

Dillon Peters

Chris Reed

Travis Weir

### Administrative Assistant

Christina Carrasco

## NEW HIRES

### Spring 2021 Hires

Samantha Dion

Nicole Evans

Trevor Hallam

Cameron McWilliam

Sebastian Navarro

Michael Stenerson

### Fall 2021 Hires

Nikolas Addison

David Bigley

Michael Law

Justin Smith

## RETIREMENTS

Stewart Maltman

(Sep 17, 1990 - Jan 26, 2021)

Brad Maars

(July 25, 1994 - May 31, 2021)

Cathy Van-Martin

(Oct 2, 1995 - June 18, 2021)

Jacquie Bathgate

(Nov 8, 1993 - July 31, 2021)

Greg Young

(May 30, 1988 - Aug 27, 2021)

Shane Hinada

(Aug 9, 1993 - Sep 28, 2021)



WILDLAND FIRE DEPLOYMENT TO LOGAN LAKE

## LONG SERVICE AWARDS

### 30 Years

Graham Lamont

Rob Lamoureux

Derek Masaro

Dave Samson

### 25 Years

Sharon Caughlin

Peter Black

Jeff Lyle

Jason Phillips

Darren Wallsmith

### 20 Years

Paul Rushton

Joe Tylor

Jason Fahlman

Kevin Galick

David Leifsson

Craig McDiarmid

Brad McLean

Gus Miller

Evan Myers

Dillon Peters

Chris Reed

Toby Roach

Colby Rope

Jodi Kabernick

Niel Stevenson

Travis Weir

### 15 Years

Scott Alley

Kevin Devine

Mike Franks

Rory Graham

Darren Jung

Peter Kamoh

Brad Smyth

Nick Udovicic



FALL HIRES AND TRAINING OFFICERS



SPRING HIRES AND TRAINING OFFICERS



# FIRE STATIONS AND APPARATUS DEPLOYMENT

## Fire Station No. 1 | 4867 Sperling Avenue

Engine 1	2006 Spartan/Smeal CAFS
Engine 21 (Reserve)	1995 Spartan/Saulsbury
Engine 22 (Reserve)	1995 Spartan/Saulsbury
Engine 24 (Reserve)	1992 Spartan/Saulsbury 55 ft Ladder
Engine 25 (Reserve)	2000 Spartan/Smeal 55 ft Ladder
Ladder 4 (Reserve)	1995 Spartan/LTI 100 ft Ladder
Rescue 1	2008 Spartan/SVI
Rescue 2	2008 Spartan/SVI
Command 1	2017 Freightliner/HUB
Fire Chief (Car 30)	2015 Ford F150 Crew Pickup 4WD
DFC Ops (Car 31)	2019 GMC 1500 Crew Pickup 4WD
DFC Admin (Car 32)	2015 Ford F150 Crew Pickup 4WD
DFC P/L (Car 33)	2015 Ford F150 Crew Pickup 4WD
Staff Officer (Car 34)	2009 Ford Flex
Mechanical Logistics 1 (Car 35)	2015 Ford F350 Crew Pickup 4WD
Mechanical Logistics 2 (Car 36)	2006 Ford F350 Pickup 4WD
Command 2 (Car 37)	2006 GMC Yukon 4WD
Fire Investigator's Van (Car 38)	2013 Nissan NV3500 Van
Training (Car 39)	2012 Ford Explorer SUV
Crew Transport Vehicle (Car 40)	2009 Ford E350 11 Passenger Van
Operations (Car 42)	2002 Ford E250 Cargo Van
Wildland Trailer	2003 Wells Cargo
Heavy Rescue Trailer	2003 Wells Cargo
Equipment Trailer	2016 Continental
Wildland Equipment Trailer	2022 Cargo Mate
Water Craft 2 (10 ft Inflatable)	2012 Zodiac
Emergency Command Vehicle	2004 ITB Utility Trailer
ECV Tow Unit (Car 45)	2008 Ford F550 4WD



### Fire Station No. 2 | 7578 Edmonds Street

Engine 2	2010 Spartan/Smeal
Ladder 2	2006 Spartan/Smeal 100 ft Platform
Hazmat 1	2003 Ford/ITB Van
Hazmat Trailer	2003 Wells Cargo

### Fire Station No. 3 | 6511 Marlborough Avenue

Engine 31	2010 Spartan/Smeal
Engine 32	2019 Spartan/Smeal
Ladder 3	2014 Spartan/Smeal 100 ft Platform

### Fire Station No. 4 | 2326 Duthie Avenue

Engine 4	2006 Spartan/Smeal CAFS
Watercraft (Car 41)	2001 Ford E250 Cargo Van
Boat Trailer	2008 Highliner
Water Craft 1 (14 ft Inflatable)	2008 Polaris

### Fire Station No. 5 | 4211 Hastings Street

Engine 5	2010 Spartan/Smeal
Ladder 5	2000 Spartan/Smeal 100 ft Ladder
Technical Rescue (Car 43)	1999 GMC 1 - Ton Cube Van
CPR Van (Car 44)	1991 Chevrolet Van

### Fire Station No. 6 | 3620 Brighton Avenue

Engine 6	2010 Spartan/Smeal
Ladder 6	2006 Spartan/Smeal 100 ft Platform

### Fire Station No. 7 | 3151 Gilmore Diversion

Engine 7	2008 Spartan/Smeal
Emergency 1	2003 Ford/Hub 4WD CAFS
Emergency 2	1981 Chevrolet 4WD
Flatdeck Trailer	2005 20 ft Double A
Wildland UTV	2017 John Deere Gator 4WD
All-Terrain Vehicle	2005 Polaris Ranger 4WD



## TYPE OF INCIDENT RESPONSES 2021

Building Fire	233
Vehicle Fire	58
Other Fires (Rubbish, Bush, Grass, etc.)	1,054
Accidental Alarm	866
False Alarm	908
Public Service	1,832
Motor Vehicle Incidents	1,118
Medical Emergencies	6,828
<b>Total</b>	<b>12,897</b>



HOUSE STRUCK BY LIGHTNING (COURTESY OF RYAN STELTING)

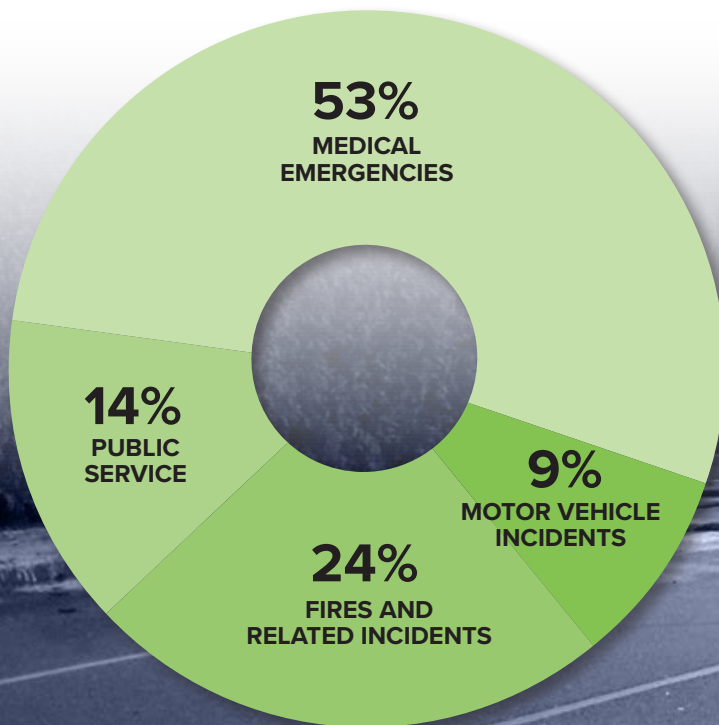
## ALARM RESPONSE COMPARISON 2019 – 2021

	2019	2020	2021
Fire	3,139	2,876	3,119
Public Service	1,595	1,506	1,832
Medical Emergency	6,890	3,790	6,828
Motor Vehicle Incidents	1,305	952	1,118
<b>Total</b>	<b>12,929</b>	<b>9,124</b>	<b>12,897</b>



MVA (COURTESY OF RYAN STELTING)

## TOTAL INCIDENT RESPONSES BY TYPE



BRUSH & GRASS FIRE (COURTESY OF RYAN STELTING)



## 2021 EXPENDITURES & REVENUES

### EXPENDITURES

Administration Division	\$1,725,189
Suppression Division	\$44,014,923
Mechanical Division	\$2,321,871
Training Division	\$1,383,961
Prevention Division	\$1,435,588

**TOTAL** **\$50,881,533**

### REVENUES

Request Building Inspection Service	(\$46,395)
Permits	
Fire Protection Systems	(\$152,844)
Combustible Liquid Tanks	(\$5,057)
Fire Safety Plan Reviews and Other Reports	(\$26,922)
Sundry Revenue	(\$70,119)
Mutual Aid Recovery	(\$0)
Location Filming	(\$15,480)
Fire Extinguisher Training	(\$0)
Assets & Discard Materials	(\$230)
Transfer from Stabilization Funding	(\$0)
Wildland Recovery	(\$576,157)

**TOTAL** **(\$893,204)**

**NET EXPENDITURES** **\$49,988,329**

**2021 POPULATION** **261,955**

**(AS PROJECTED BY BC STATS)**

**PER CAPITA COST** **\$191**



CAMP IGNITE BURNABY CANDIDATE



MVA (COURTESY OF RYAN STELTING)

# SHIFT STAFF TRAINING HOURS

## ADMINISTRATIVE

Chief Training Officer	1,880
Assistant Chief Training Officer	1,880
Training Officer(s)	5,640

## DAY SHIFT TRAINING

340 days x 1.5 hours x 52 firefighters	26,520
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## NIGHT SHIFT TRAINING

350 days x 1.5 hours x 52 firefighters	27,300
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## SPECIALTY TRAINING

### HAZMAT

8 firefighters x 46 sets x 6 hours per set x 4 shifts	8,832
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### TECHNICAL RESCUE

8 firefighters x 46 sets x 6 hours per set x 4 shifts	8,832
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### RESCUE TASK FORCE

8 firefighters x 46 sets x 6 hours per set x 4 shifts	8,832
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6 firefighters x 110 hours TECH MASTER	660
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### DRIVING TRAINING

365 days x 2.5 hours x 8 firefighters	6,500
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## BURNABY GENERAL HOSPITAL

64 firefighters x 3 hours - Span of Control/Comms	192
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## RECRUIT TRAINING

14 recruits, 40 hours x 9 weeks	5,040
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## FIRE OFFICER I

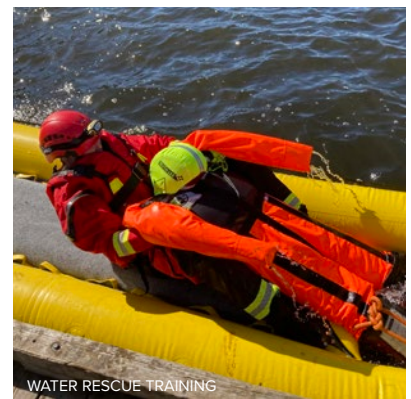
7 firefighters x 40 hours Module 1	280
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7 firefighters x 60 hours Module 2	420
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## FIRE OFFICER II

11 firefighters x 40 hours Module 1	440
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11 firefighters x 60 hours Module 2 (plus exams)	660
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### **FIRE OFFICER III**

20 firefighters x 8 hours Leadership Course	160
20 firefighters x 20 hours ICS 300	400
20 firefighters x 8 hours IT/Microsoft Office	160
20 firefighters x 40 hours Online	800
5 firefighters x 32 hours Module 4	160
5 firefighters x 4 hours Media Training	20

### **WATERCRAFT**

192 firefighters x 1 hour	192
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### **LIVE FIRE TRAINING**

192 firefighters x 4 hours	768
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### **FIRE SERVICE INSTRUCTOR**

7 firefighters x 3 days x 8 hours	168
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### **FIRST RESPONDER INSTRUCTOR**

10 firefighters x 40 hours	400
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### **FIRST RESPONDER RE-CERTIFICATION**

102 firefighters x 40 hours	4,080
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### **ICS 200**

20 firefighters x 20 hours	400
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### **HAZMAT TECH**

8 firefighters x 40 hours	320
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### **WILDLAND**

10 firefighters x 40 hours - Instructor Course	400
208 firefighters x 2 hours - Company Training	416
64 firefighters x 3.5 hours - LSPU	224

### **PEER SUPPORT**

208 firefighters x 1 hours	208
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### **TOTAL TRAINING HOURS**

**113,184**









# PREVENTION DIVISION SUMMARY OF ACTIVITIES

## INSPECTIONS

Building Progress / Final Occupancy Inspection	247
Pre Final FPO Building Commercial	4
Business License	608
Care Facility	4
Daycare	15
Fire - Functional Test of Life Safety	117
Fire Incident Reviewed or Investigated	90
High-Rise Inspection	71
Low-Rise Inspection	349
Routine Inspection	438
Reinspections	321
School Inspection	32
Sprinkler License	224
Warehouse Inspections	156

**TOTAL 2,676**

## PLAN CHECKING

Fire Safety Plans / PIPMS Complete	88
Plan Review	123
Permits Review	437
Alternative Solution Report	10

**TOTAL 658**

## PERMITS ISSUED

Burning	20
High / Low Hazard Fireworks	0
Storage Tank Installation (Commercial)	0
Storage Tank Installation (Residential)	1
Storage Tank Removal (Commercial)	7
Storage Tank Removal (Residential)	68

**TOTAL 96**

**TRAINING COURSES 1**

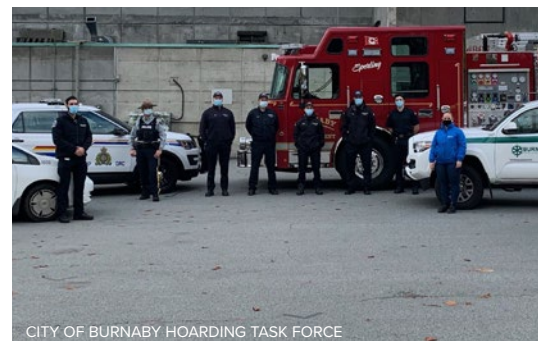
**PUBLIC EDUCATION 2**



BOUNDARY STREET FIRE



PUBLIC EDUCATION - ELEMENTARY SCHOOL VISIT



CITY OF BURNABY HOARDING TASK FORCE

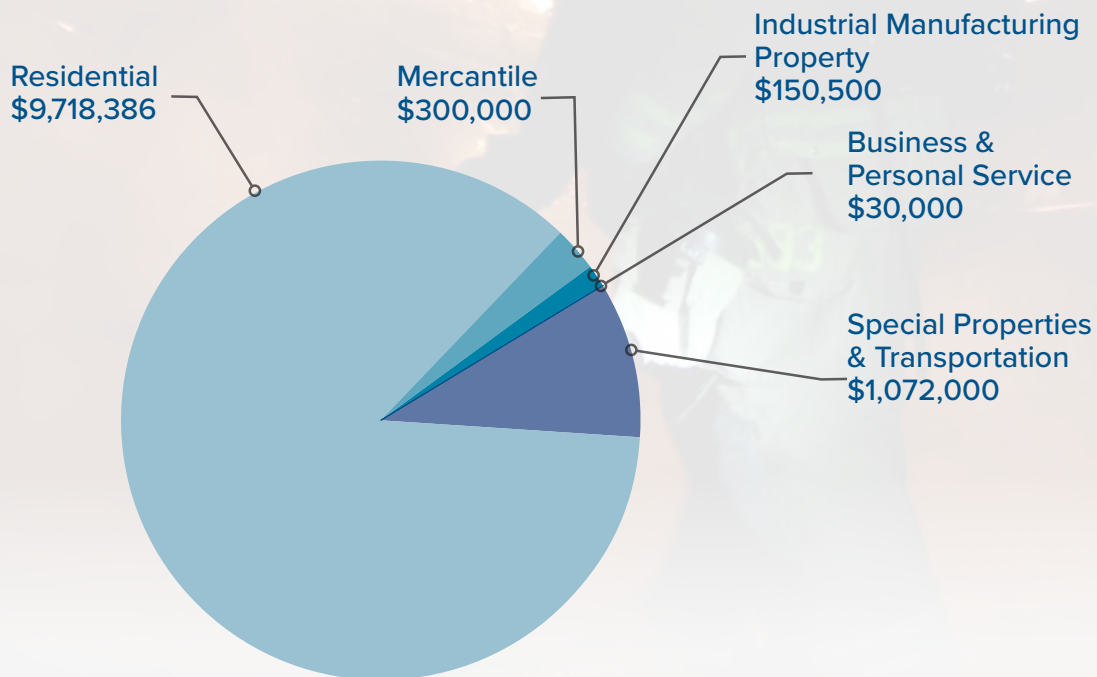
## MAJOR FIRES

DATE	PROPERTY CLASS	VALUE AT RISK	FIRE LOSS
January 23, 2021	Residential	\$3,125,000	\$552,000
February 14, 2021	Residential	\$900,000	\$658,000
March 30, 2021	Special Properties & Transportation	\$4,500,000	\$905,000
June 20, 2021	Residential	\$1,256,700	\$1,263,700
September 28, 2021	Residential	\$1,600,000	\$720,000
October 8, 2021	Residential	\$5,000,000	\$5,010,000

## FIRE LOSS BY CLASSIFICATION

CLASS	FIRES	VALUE AT RISK	FIRE LOSS
Assembly	0	-	-
Business & Personal Service	1	\$6,829,000	\$30,000
Industrial Manufacturing Property	2	\$11,431,000	\$150,500
Institutional	0	-	-
Mercantile	1	\$2,300,000	\$300,000
Residential	21	\$144,733,900	\$9,718,386
Special Properties & Transportation	8	\$10,105,500	\$1,072,000
Storage Properties	0	-	-
<b>TOTAL</b>	<b>33</b>	<b>\$175,399,400</b>	<b>\$11,270,886</b>

## TOTAL FIRE LOSS BY CLASSIFICATION







KINCAID STREET FIRE (COURTESY OF RYAN STELTING)



VICTORY STREET FIRE (COURTESY OF RYAN STELTING)



LYNDHURST STREET FIRE (COURTESY OF RYAN STELTING)



# BURNABY FIREFIGHTERS' CHARITABLE SOCIETY

The Burnaby Firefighters Charitable Society is supported by over 300 dedicated members who raise money for the community and non-profit organizations. The constant dedication from our membership allows us to help people in our community every day by volunteering our time to assist those in need.

Covid-19 has been very challenging and once again, our members made it a priority to help the less fortunate to improve their quality of life. The Burnaby Firefighters volunteered over 7,000 hours across 50 initiatives, with many aimed at helping those impacted by the pandemic. We delivered food donations from the Greater Vancouver Food Bank to various community support hubs throughout our city twice a week. We are very fortunate to work with such a community-based, family-focused team of community leaders who ensure food is at the forefront.

We know that protecting a community is not just about keeping lives and property safe but also helping people in need daily, especially those dealing with health problems, disabilities, poverty, abuse, hunger, and other challenges. The Burnaby Firefighters Charitable Society raises funds to provide sizeable donations to many charitable and

community organizations. We support Burnaby-based charities and other organizations in the Lower Mainland needing assistance. Due to the pandemic, we have only been able to have one fundraiser in the last 2½ years, which was our 2021 golf tournament.

We are very fortunate that Marilyn and Alan Codyre trusted and respected us enough to leave us their estate to assist people during these difficult times.

We raised a record total of \$60,407.25 in the 2021 Boot Drive for Muscular Dystrophy. With over 50 locations throughout the community, it took the hard work and dedication from everyone involved for the drive to be as successful as it was.

In 2021, the Burnaby Firefighters Charitable Society took over the Sapperton Fish & Game Club Hatchery operations. Our members contributed over 500 volunteer hours and helped raise and release 8,500 Coho and 18,300 Chum Salmon into the local waterways. As Covid-19 restrictions ease, we will partner with local elementary schools to help raise the fry and educate students on the value of conserving our local fish stocks.





## CHARITABLE HIGHLIGHTS

- » \$85,000 - Nutritious Snack Program  
The Burnaby Firefighters purchased and delivered snacks to 40 schools and 4 Community Centres. Many students here are from low-income families where nutrition is a major concern. The teachers have reported great results as the children are more focused and learning has improved in the classroom.
- » \$50,000 - Burnaby Hospital Foundation
- » \$50,000 - YWCA new proposed Housing Community and Child Care Centre in Burnaby (4803 Canada Way), which will provide single mother-led families with safe and affordable homes.
- » \$37,000 - BC Professional Firefighters Burn Fund
- » \$35,000 - Royal Columbian Hospital Foundation
- » \$30,000 - Odd Squad Productions  
To assist the organization in delivering valuable and needed reality-based education to thousands of youth in the Lower Mainland about the consequences of engaging in risky behaviour.
- » \$25,000 - Burnaby Hospital to purchase COVID-19 Personal Protective Equipment.
- » \$25,000 - Food Bank Burnaby
- » \$12,000 - To assist two grade 8 Burnaby Central students (\$6,000 ea.) with Duchenne Muscular Dystrophy to buy their own Power Wheel Chair.
- » \$12,000 - Burnaby Firefighters Christmas Toy Drive in support of the Burnaby Christmas Bureau
- » \$10,000 - PALS Autism Society
- » \$10,000 - CKNW Kids Fund
- » \$10,000 - Variety Show of Hearts Telethon
- » \$10,000 - Harmony For All  
To support Councillor Joe Keithley to raise funds and collect musical instruments for families who might not have an opportunity to play.
- » \$8,000 - Four \$500 Bursaries  
To students in grade 7 who made a lasting impression and inspired and motivated others. When facing challenges, these students succeeded through drive, determination and passion.
  - » Edmonds Community School
  - » Stride Avenue Community School
  - » Windsor Elementary
  - » Gilmore Community School
- » \$7000 - BC Challenger Baseball, which provides opportunities for children with cognitive or physical disabilities to enjoy baseball
- » \$6,000 - Byrne Creek Secondary  
12 students received - \$500 Bursaries
- » \$5,000 - Michael J Fox Theatre Scholarship
- » \$5,000 - BC Down Syndrome Resource Foundation
- » \$5,000 - Michael Cuccione Foundation
- » \$5,000 - BC Cancer Foundation
- » \$5,000 - Southside Community Church
- » \$3,000 - BC Guide Dogs
- » \$2,500 - Nzen'man' Child and Family Development Centre Society (Wild Fires)
- » \$2,500 - Dry Grad Donations
- » \$1,500 - Dixon Transition House
- » \$1,400 - MADD
- » \$1,000 Bursary  
Walnut Grove Secondary - in memory of Tyson Smith
- » \$1,000 Bursary  
Garibaldi Secondary School - in memory of Madeline Stroup
- » \$1,000 - Camp Ignite  
A mentorship program run by female firefighters to build awareness and confidence in aspiring female firefighters in grade 11 & 12.

