



ANNUAL REPORT

2020

Proudly serving the City of Snoqualmie, Echo Glenn Children's Center, and the Upper Snoqualmie Valley through mutual aid agreements.

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SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Message from the Fire Chief

It is with great pride that I present the 2020 Fire Department Annual Report. The following is a culmination displaying the outstanding work performed by the firefighters and administrative staff within the department. All fire department staff are committed to providing the highest level of service to the community and anyone we respond to.

This year was another exciting year for the Department. First and foremost, the firefighters responded to over 1,043 incidents. The growth within the community and upper Snoqualmie Valley has increased the demand for service and required us to respond to more and more incidents. But in 2020, many departments - including Snoqualmie Fire - saw a decrease in incident volume. This was caused by the Governor's Orders associated with the Global Pandemic.

The pandemic forced the Snoqualmie Fire Department to change its usual practices to increase the safety of the firefighters and public. Challenging our status quo, firefighters now would respond to patients with full protective medical gear, sending one firefighter into a room to evaluate a patient, and daily decontamination of the aid car. These practices were challenging but the firefighters rose to the occasion with new and innovative ways to protect themselves and the public against the deadly Covid 19 disease.

In 2020, the Department took delivery of a new aid unit. This state-of-the-art apparatus saved the tax payers money by reusing and refurbishing the patient compartment on the back of the former aid unit. This cost savings allowed the department to make improvements to the design and add new innovative equipment. Now, the aid unit carries firefighting equipment so the personnel can provide both fire and EMS services from the vehicle. The Department also invested in new self-contained breathing apparatus (SCBA) and vehicle extrication equipment to continue the highest standard of care for those we respond to.

This year, the Fire Department continued its pursuit of excellence by complying with accreditation status requirements. Annually, the Department must submit a compliance report and I am proud to say the city's first compliance report was approved by the Center for Public Safety Excellence.

Lastly, in 2020 the firefighters trained over 5,405 hours. Because of the global pandemic, all community risk reduction programs were put on hold throughout the year. We hope to begin these programs again very soon.

On behalf of all firefighters and emergency responders, please accept our appreciation for another remarkable year. It has been a pleasure serving all of you.

Sincerely,



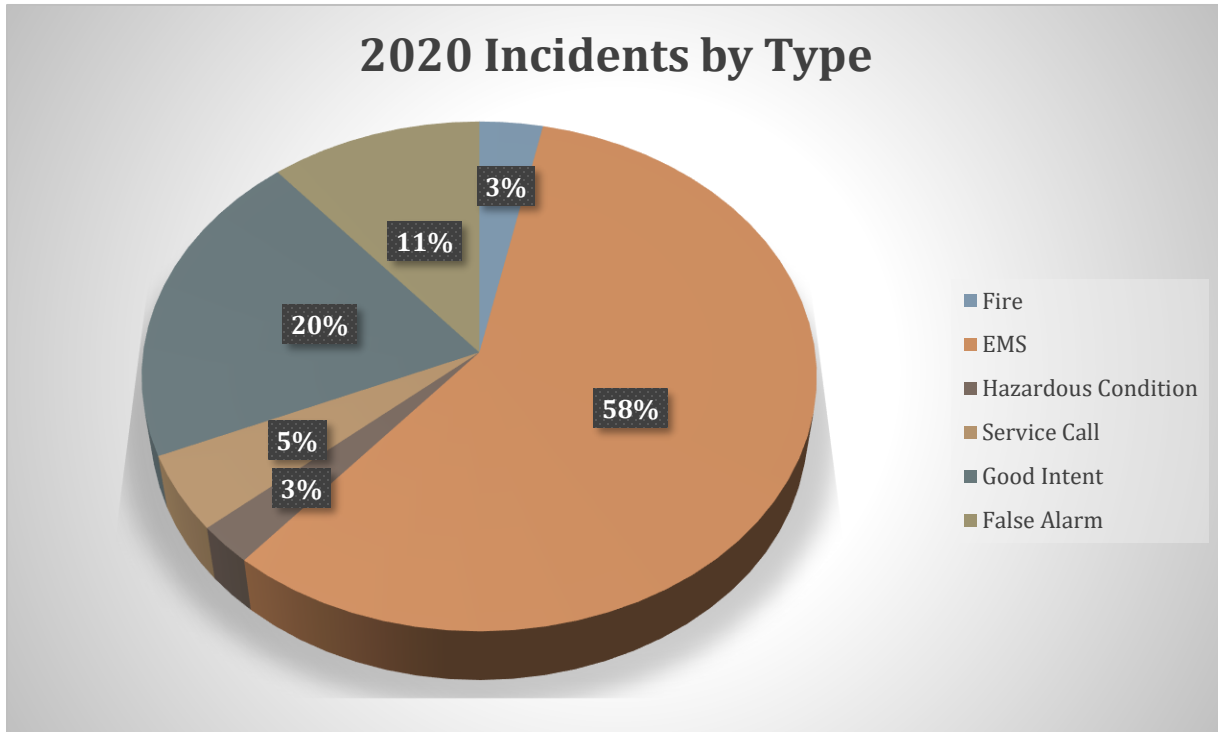
Mark Correira
Fire Chief / Emergency Management Director



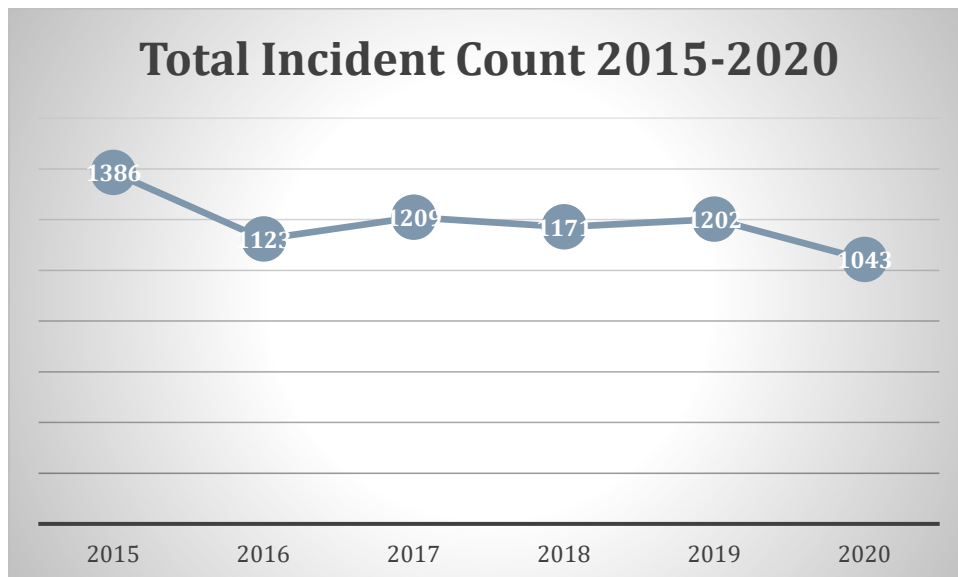
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Fire Department Responses

The fire department responded to 1,043 incidents in 2020. Fifty-eight (58%) of all incidents were for emergency medical services. The chart below breaks out these incidents by type.

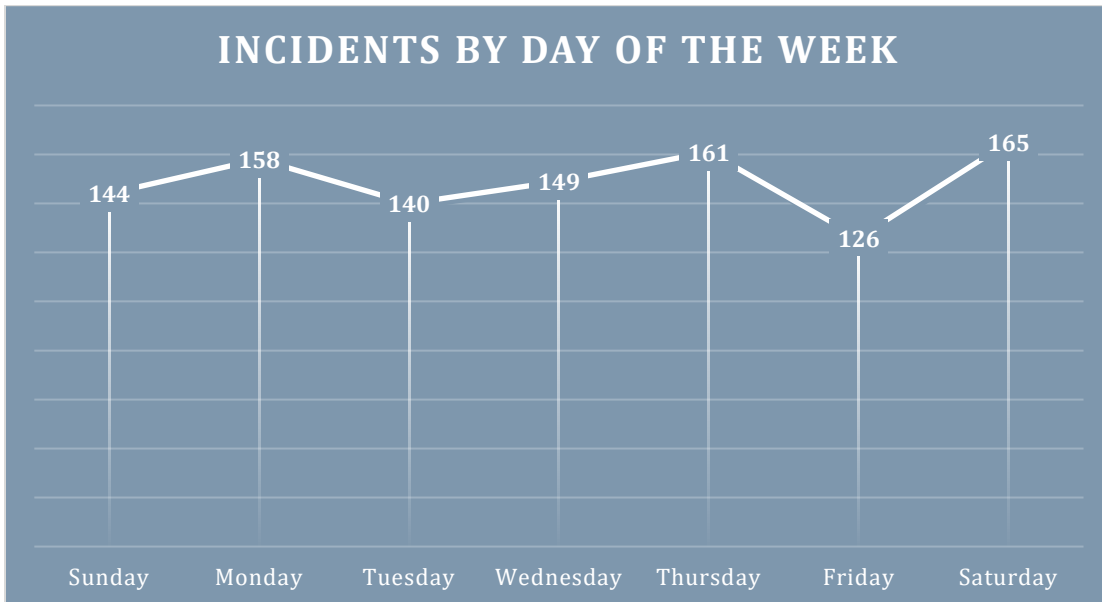


The fire department saw a 13.2% decrease in incident volume from the previous year. This decrease was part of the Covid 19 pandemic and aligns with other fire departments in the region. The chart below trends incident volumes from 2014-2020.

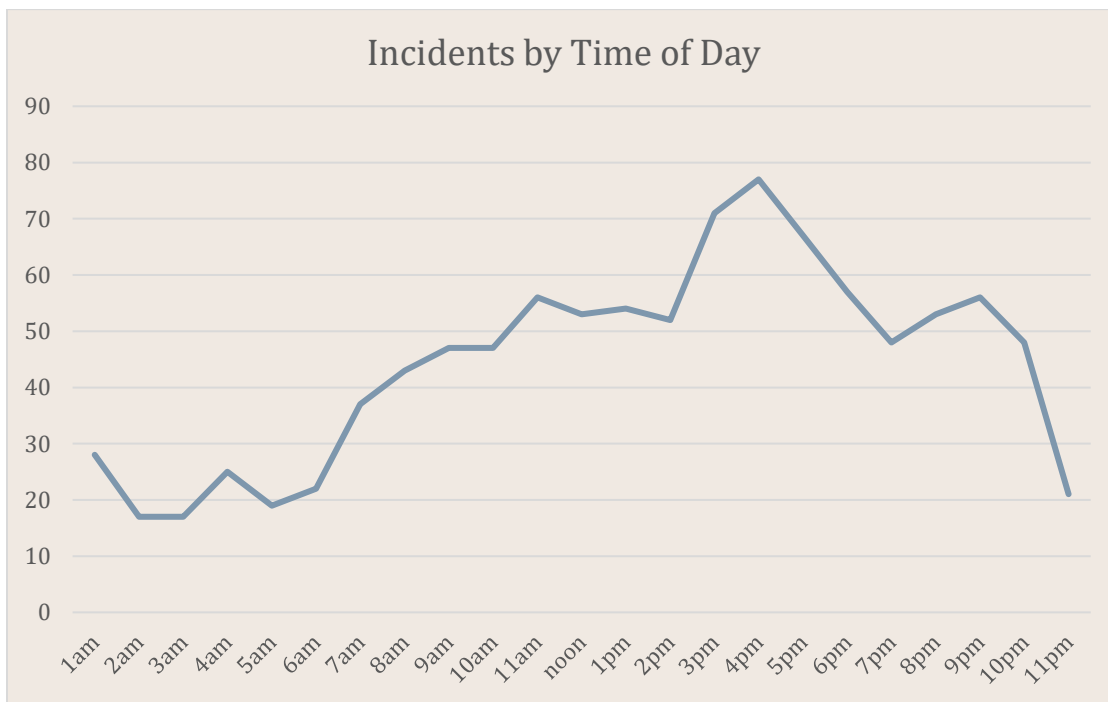


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Incident volumes are consistent throughout the week with the most incidents occurring on Saturday, and the least on Friday. The chart below shows incident volumes by the day of the week.



Incident volumes vary by time of the day with the peak-time being between the hours of 2PM and 9PM, and the valley-hours between 11PM and 4AM. The following chart shows incidents by the time of the day.

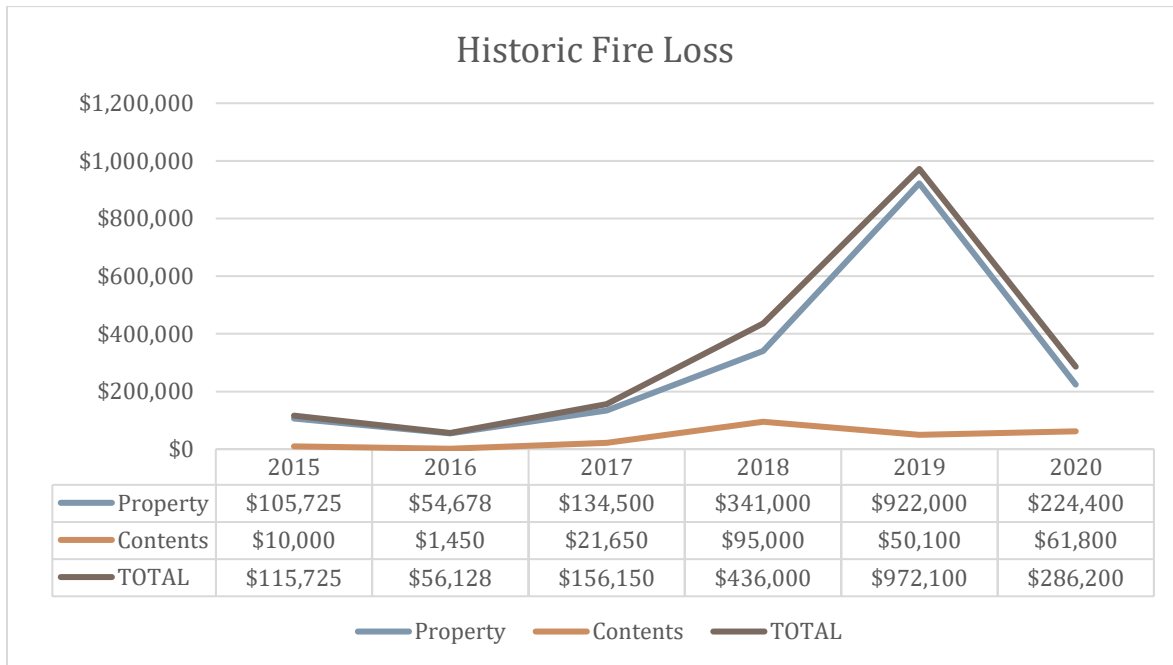


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Property Loss Charts

For reporting purposes, fire loss is broken into two categories: property and contents. Property describes physical properties such as cars, house, etc. Contents describe items that are not part of the structure but perish in the incident. In 2020, the fire loss totaled \$286,200; a decrease from the previous year of \$685,900 or 71%. It is important to note that most of the fire loss for the spike in 2019 came from one structure fire incident.

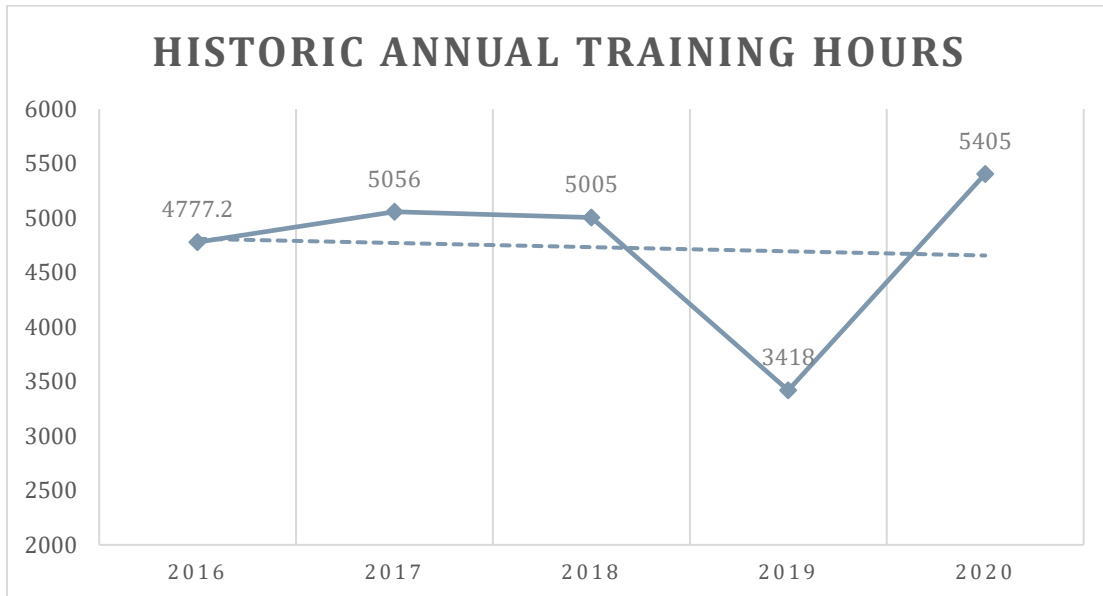
The following chart compares the annual fire loss by year:



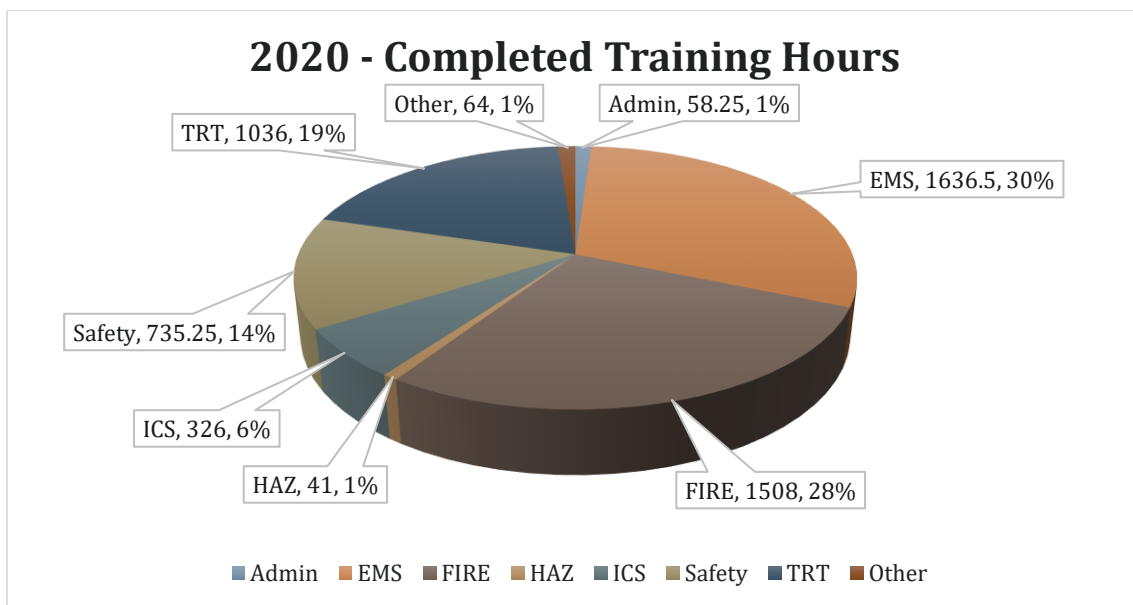
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Fire Department Training

The Fire Department trained for 5,405 hours in 2020, an increase of 1,987 hours from the previous year. The primary reason for this drop was the Department transitioned to a new training consortium, learning management system, and tracking tool which doesn't track some types of training activity that was tracked in the previous system. The following chart displays this data point:



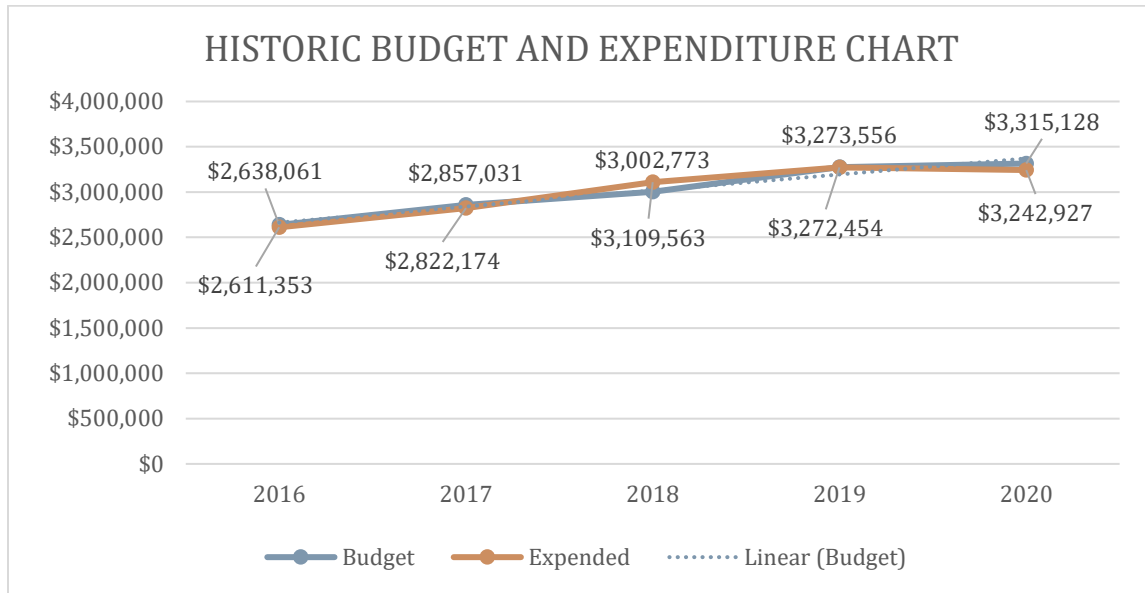
Training sessions were broken into groups that best fit the type of training being performed. Training types included Fire, EMS, Extrication, Special Operations, Emergency Vehicle Incident Prevention (EVIP), Health and Wellness and Other. The following chart displays the training by session by hours. Fire Department Finances



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Budget and Expenses

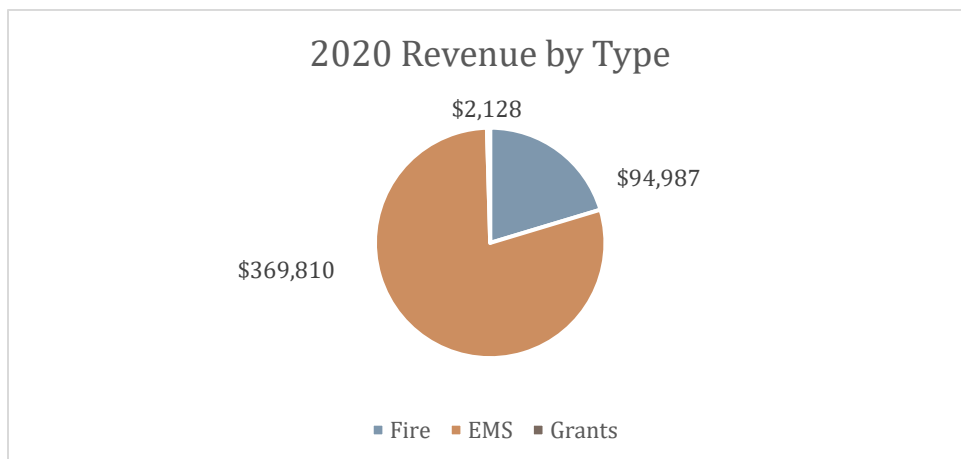
The 2020 Fire Department Budget* was approved at \$3,315,128; a 1% increase from 2019. For this same time period the Department expended \$3,242,927 – an underspending of \$72,201. 2020 marks the end of the biennium (2-year budget) and a new biennial budget will be approved for 2021 and 2022.



* Fire Department Budget includes Emergency Management Program Budget.

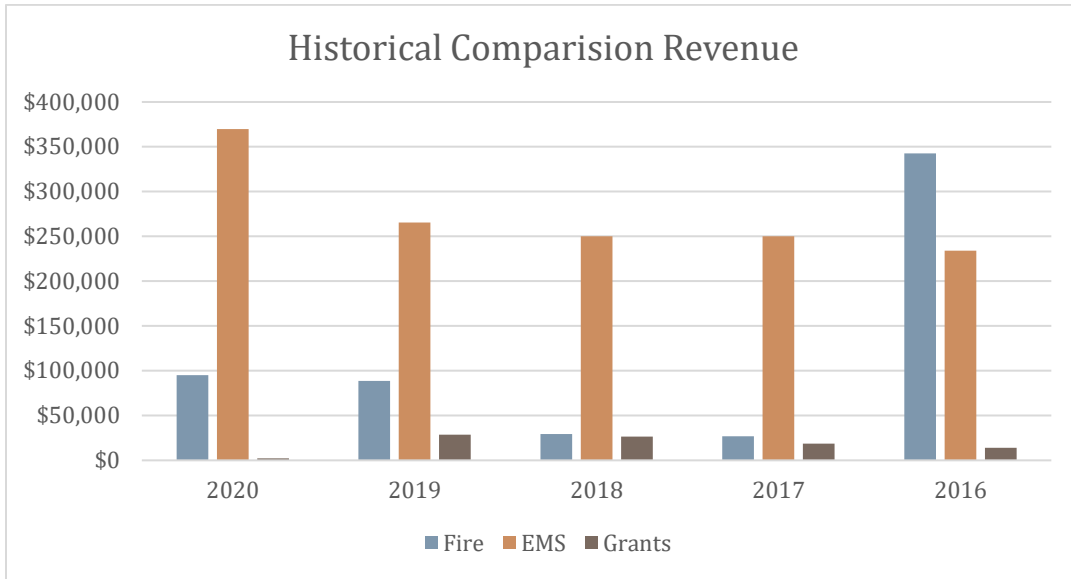
Revenue

The Fire Department generated \$466,925 in revenue in 2020. Fire Department revenue is broken into three categories: fire, EMS and grants. The fire category captures fees generated from fire protection services, or reimbursement for fire related deployments; grants capture funds received through annual or periodic grants; and EMS revenue comes from EMS transport fees. The King County BLS EMS allocation is from the King County EMS Levy. The following chart displays these funds:

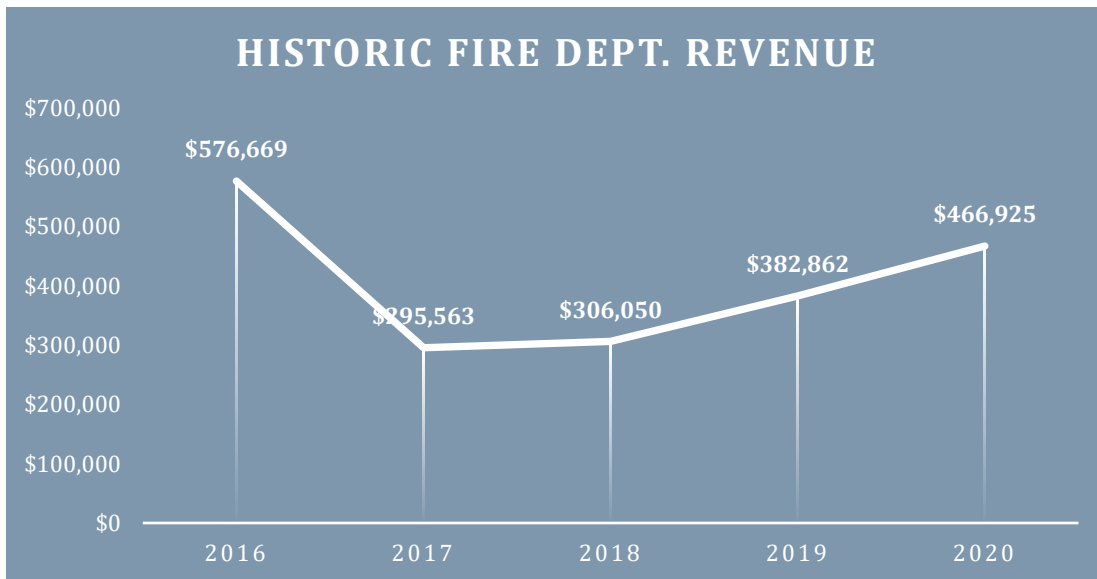


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A historical look at the types of revenue displays the decrease in fire related revenue in 2016 (loss of the Casino Contract), but a constant increase in EMS revenue generated from an increase in funds from King County EMS to provide EMS services.



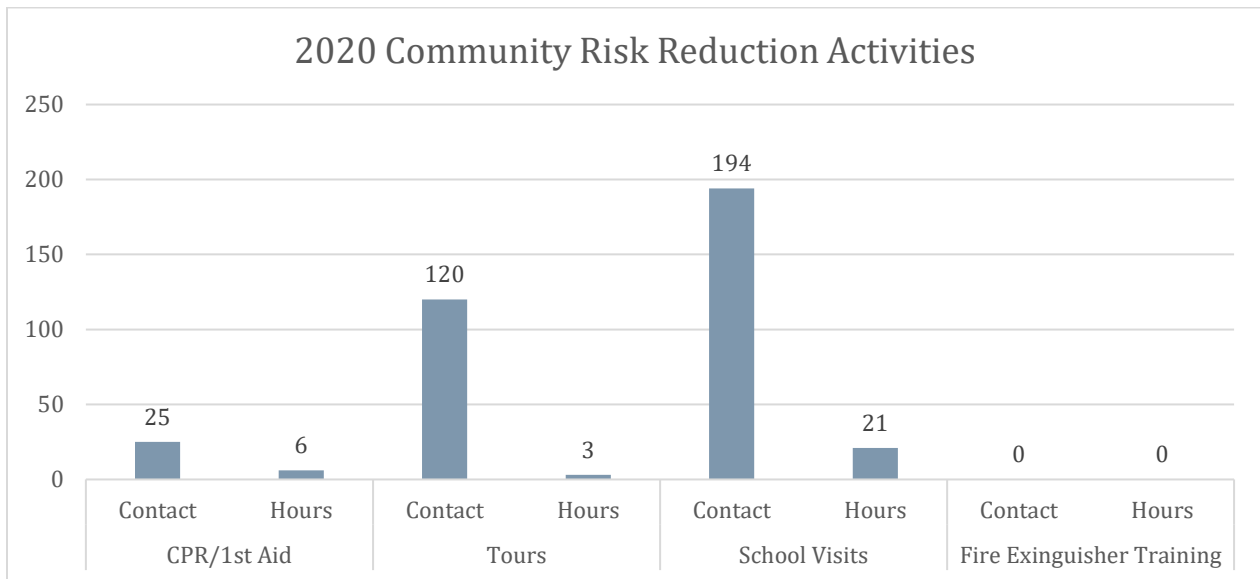
The fire service revenue has ebbed and flowed over the past seven years. The fluctuation between 2016 and 2017 in the following chart was caused by fire protection service contracts (Casino).



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Community Risk Reduction and Outreach

An ounce of prevention is worth a pound of cure, and if it's predictable – its preventable. This mantra is why the Department spends a portion of its time investing in community risk reduction and outreach programs. Included in these activities are fire safety talks with elementary schools, CPR training, first aid training, school visits to the fire station, fire extinguisher training, high school career shadow programs, and community events. In 2020, the department invested 30 hours, and reached 339 people. The following chart breaks out these activities:



Fire Inspections

In October of 2017, the department celebrated its first year of the Fire Inspections Program*. In 2018, the Department focused on capturing missed businesses and streamlining the process. This enhancement brought firefighters into businesses and storefronts to affirm all businesses were being inspected. In 2020, the department inspected 16 buildings. The impacts of the global pandemic effected the Department's ability to access buildings and inspect them.

The following table provides a historical view of the fire inspection program:

	2018	2019	2020
Completed Business/Building Inspections	173	280	16**
Violations	257	406	0

* In 2005, the City returned these inspections to the Building Department.

** The 16 inspections in 2020 were reinspection of violations from 2019.

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Volunteerism

Volunteers play a vital role for the Snoqualmie Fire Department. At the end of 2020, the department had a total of 18 volunteers. Our volunteers provide a variety of services complimenting career staff including filling shifts, teaching CPR classes and various other community outreach activities. In 2020, volunteers provided 5,806 hours of support. By comparison, a single career firefighter in a year will complete 2632 hours of service (not including overtime or call-backs). As such, the combined hours of the volunteers equate to 2.21 FTE career firefighter.

The volunteer hours also demonstrate a financial benefit to the department. Given an average hourly salary of a FTE career firefighter at \$59.28/hour, the combined volunteer hours reflect an annual salary savings of \$291,388.68 (not including benefits).

Here is a chart reflecting the cost benefits of the volunteer staff:

Total # of Volunteers	18
Average FTE Hourly Rate	\$59.28
2020 Volunteer Annual Hours	5,806
VOLUNTEER COST BENEFIT SUBTOTAL	\$344,179.68
Volunteer Program Expenses	-\$51,748
Uniforms/PPE (5% of total)	-\$1,043
TOTAL VOLUNTEER COST BENEFIT	\$291,388.68

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Emergency Management

EOC Activations:

Fourteen partial activations in 2020

- January 11 – Snow / Winter storm threat
- February 1 – River flooding
- February 6 – River flooding
- March 1 – Covid19 / Global pandemic
- March 14 – Winter storm threat
- September 4 – Heat emergency
- September 9 – Heat emergency and wind advisory (wildland fire threat)
- September 14 – wildland fire smoke
- September 21 – heavy rain and wind
- October 16 – Windstorm
- October 28 – Civil unrest preparation (election)
- November 4 – Rain followed by cold temperatures
- December 1 – Gusty winds
- December 16 – River flooding

No full EOC activations for 2021.

Staff time delegated to Emergency Management: 2,080 hours.

Major accomplishment:

Managed COVID Pandemic while managing other disasters.

Addressed community and employee safety throughout Global Pandemic.

Purchased badge printer using Emergency Management Program Grant Funds



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Contact Information

MARK CORREIRA
FIRE CHIEF
DIRECTOR OF EMERGENCY
MAMAGEMENT



mcorreira@snoqualmiewa.gov

MICHAEL BAILEY
DEPUTY CHIEF -
OPERATIONS



mbailey@snoqualmiewa.gov

TOMM MUNRO
ADMINISTRATIVE ASST. II



tmunro@snoqualmiewa.gov

Snoqualmie Fire Department

37600 SE Snoqualmie Parkway, Snoqualmie, WA 98065

Tel 425-888-1551

Fax 425-888-1513

<https://www.snoqualmiewa.gov/166/Fire>

