



ANNUAL REPORT

2018

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

TABLE OF CONTENTS

Contents

Fire Chief's Messages _____	Page 1
Fire Department Responsese _____	Page 2
Property Loss _____	Page 5
Training _____	Page 6
Finances _____	Page 7
Fire Prevention, Outreach and Community Risk Reduction _____	Page 9
Emergency Management _____	Page 10

SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Message from the Fire Chief

It is with great pride that I present the 2018 Fire Department Annual Report. The following is a culmination of work that displays 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 who we respond to.

This year was another exciting year for the Department. First and foremost, the firefighters responded to over 1,100 incidents. The growth within the community and the upper Snoqualmie Valley has increased the demand for service and has required us to respond to more and more incidents. While this is an exciting statistic, the fire department has been forced to evaluate the programs we provide and adjust to accommodate for this growth.

This year the Fire Department continued its pursuit of excellence by continuing to work on becoming an accredited department. The accreditation process is through the Center for Public Safety Excellence (CPSE). And requires fire department staff to document over 230 performance indicators and prove to an outside peer evaluation team that we are a credible agency. In September, the Department took one step closer to achieving this goal when a CPSE Peer Team was assigned to review our efforts. After their initial review, the Peer Team agreed to plan to fly and see if the Department documents are credible throughout the agency and its culture. The team will arrive in early 2019. If the agency is found to be credible, a report will be drafted and submitted to the CPSE Board of Directors and a hearing date will be established for our agency. This has been a three-year project and process and we are looking forward to positive results in 2020.

Also, in 2018, the firefighters trained over 5,005 hours, and provided public education and community risk reducing events reaching 1,580 people. Additionally, the department matured its new-in-2017 fire inspection program where stores and businesses are evaluated for codes compliance. This program led to the inspection 173 businesses and addressing over 250 violations throughout the community.

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

Sincerely,



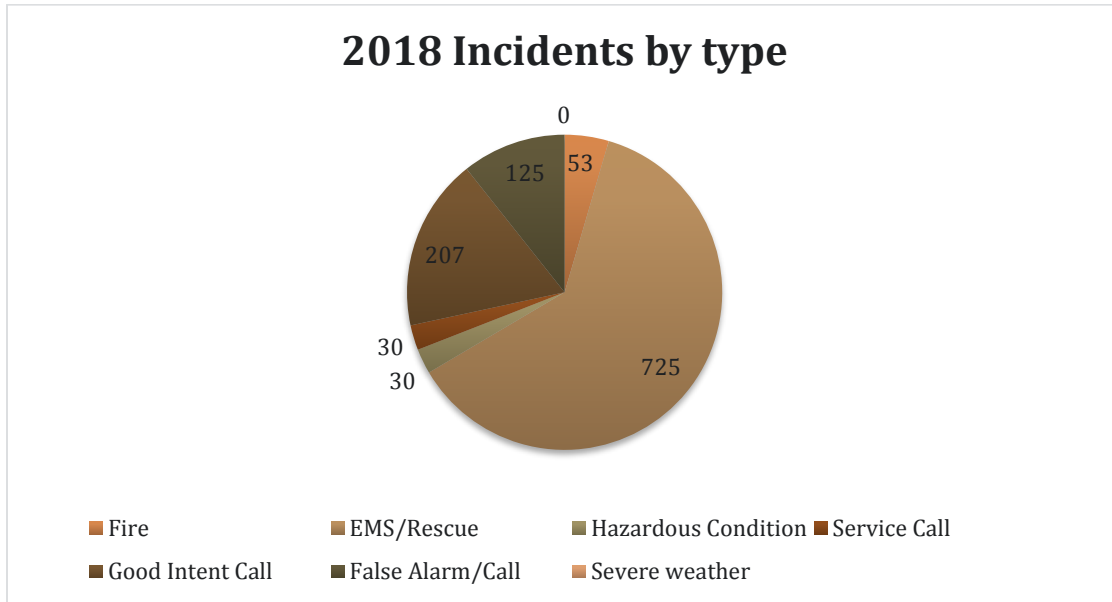
Mark Correira
Fire Chief / Emergency Management Director



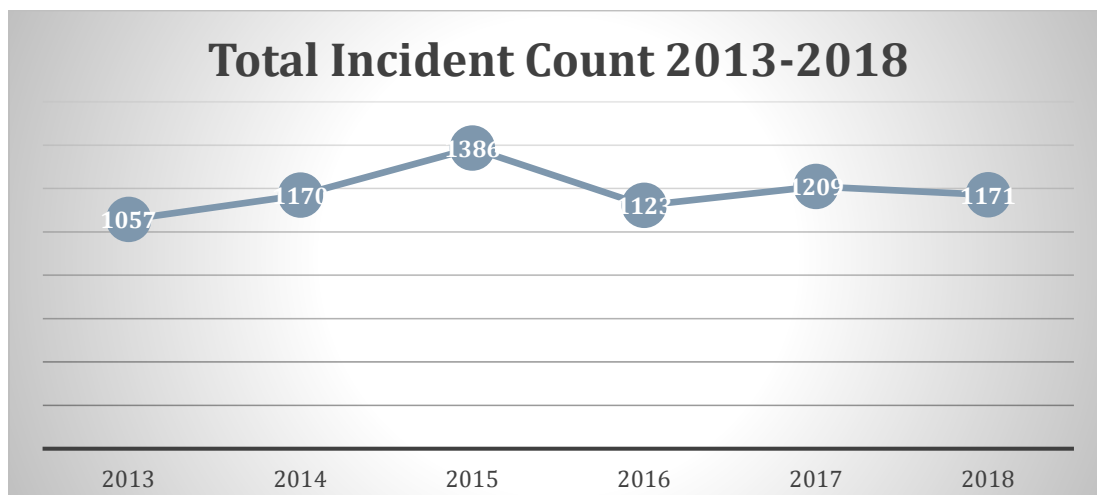
SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Fire Department Responses

The fire department responded to 1,171 incidents in 2018. Sixty-one (62%) of all incidents were for emergency medical service type incidents. The chart below breaks out these incident by type.

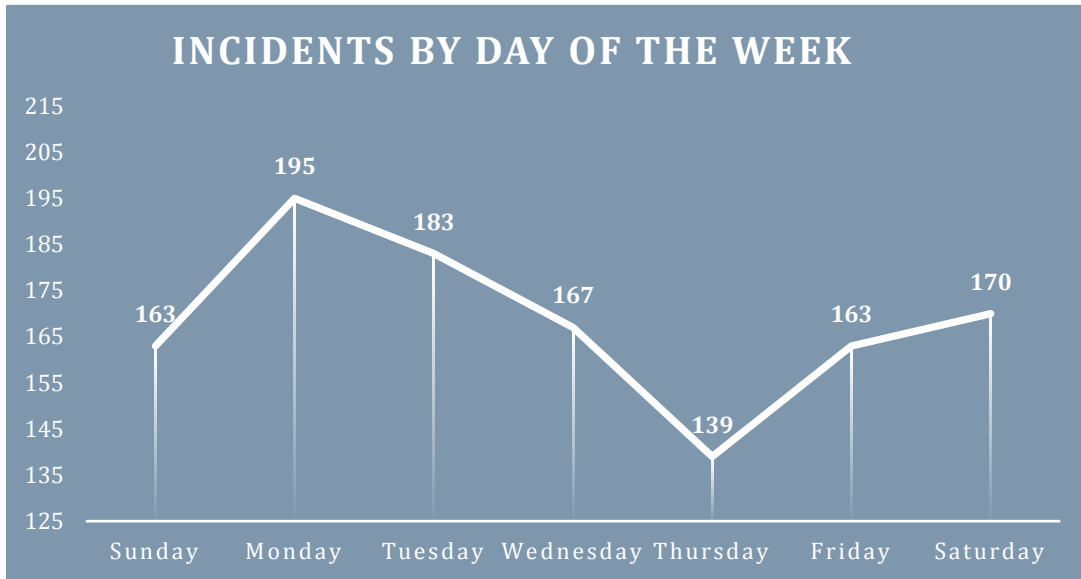


The fire department saw a 3.1% decrease in incident volume from the previous year. The chart below trends incident volumes from 2013-2018.

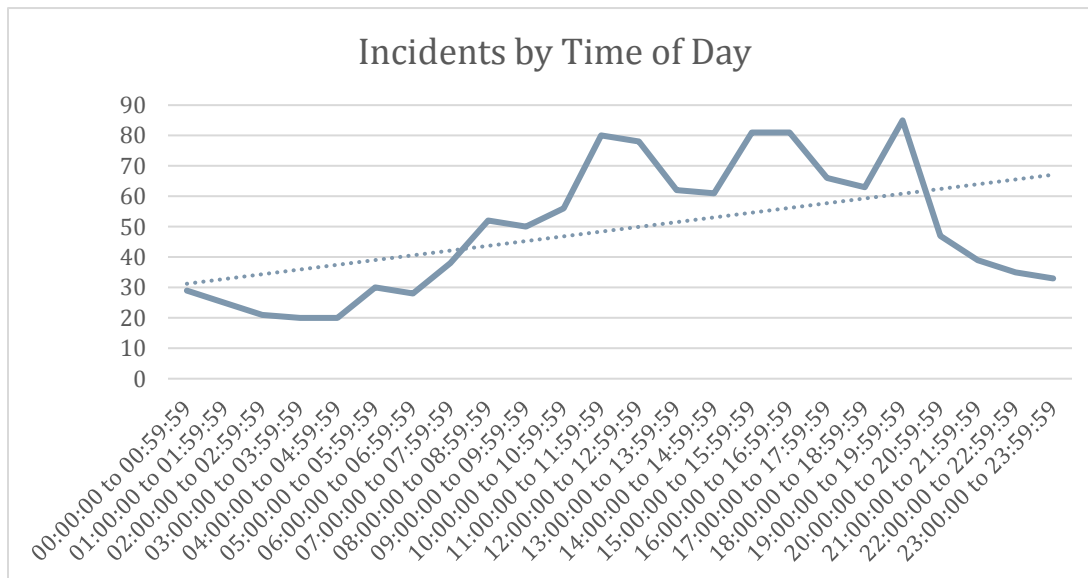


SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Incident volumes are consistent throughout the week with the most incidents occurring on Monday, and the least on Saturday. 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 7PM and 8PM, and the valley-hours between 0300 and 0500. The peak-activity time of the day is between the hours of 0800 and 2000 hours. The following chart shows incidents by the time of the day.

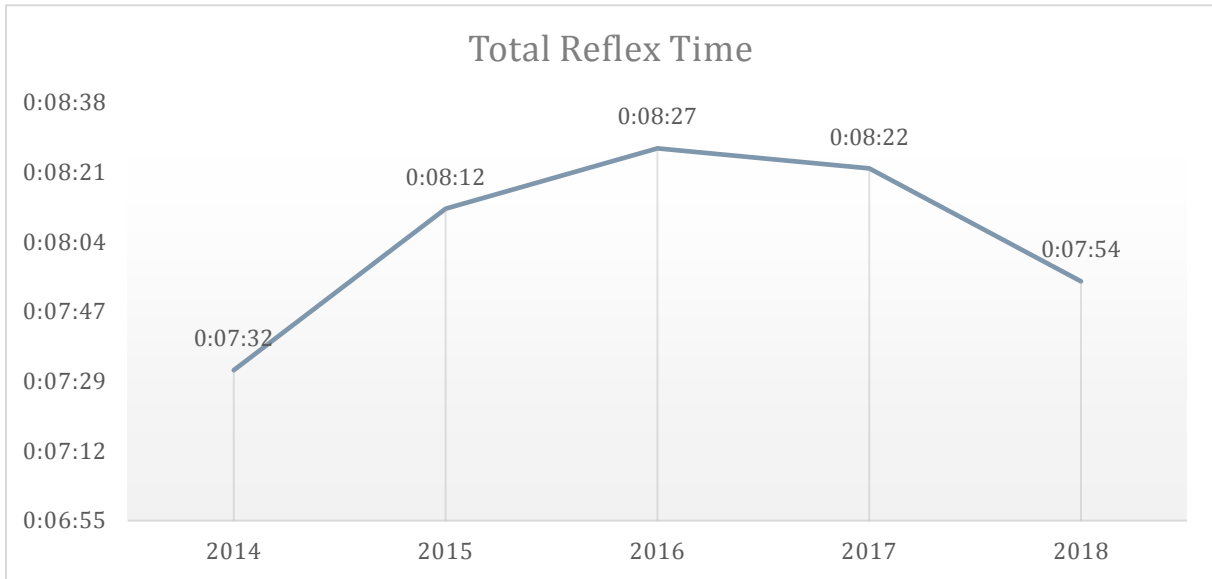


The fire department evaluates response times as a performance measure. Described as reflex time, the department measures from when the 911 dispatch center sends the incident to the fire station,

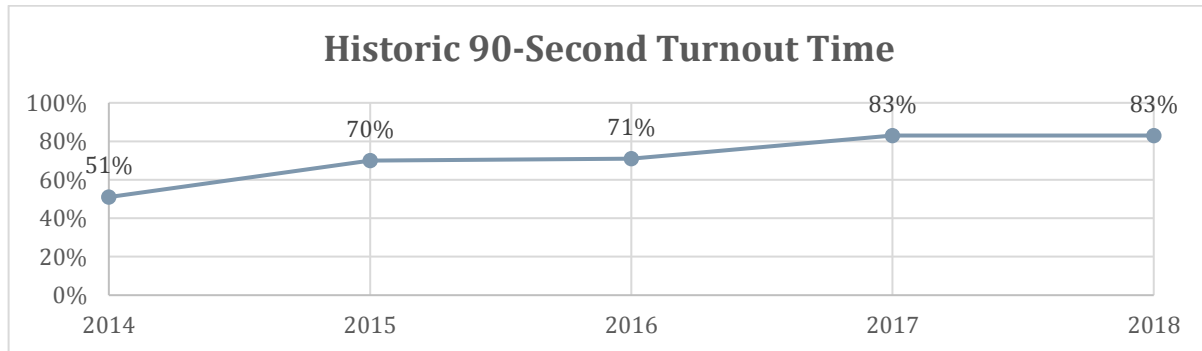
SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

to when the unit arrives at the scene or the emergency event. To best determine performance, it's important to evaluate each step in the call receiving and response process. It is also important to measure the reflex time.

The fire department's total reflex time for 2018 was 7:54 – 90% of the time; a decrease of 28 seconds from the previous year. The following is a historical comparison of reflex times:



One element of the total reflex time measured separately, is the time between notification of an incident to when the firefighters begin responding. This element is known as turnout time or reaction time. Substitute House Bill (SHB) 1756 was codified into law through RCW 35.103 and requires agencies to establish multiple response time standards and report them to the public. The SHB 1756 turnout time standard is 1:30 - 90% of the time. In 2018, the fire department's 90 second turnout time was met 83% of the time. The following chart compares the historic 90 second reaction time:

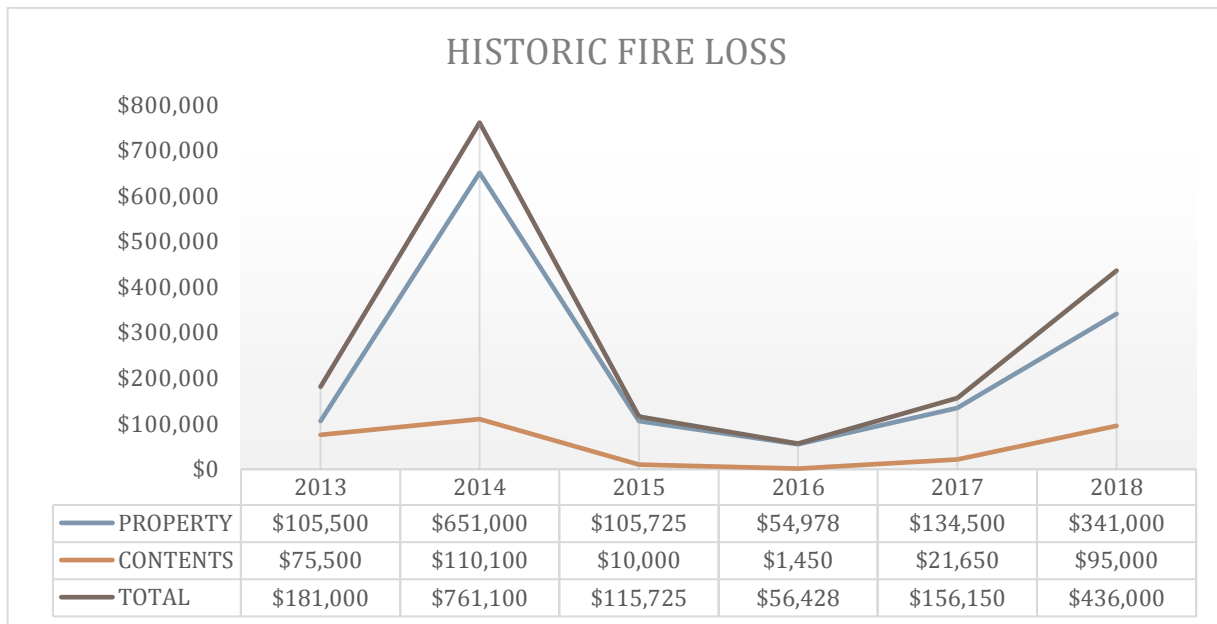


SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

PROPERTY LOSS CHARTS

For reporting purposes, fire loss is broken into two categories: property and contents. Property describes physical properties like cars, house, etc. Contents describes items that are not part of the structure but perish in the incident. In 2018, the fire loss totaled \$341,000; an increase from the previous year of \$279,850 (est.). Most of the fire loss for 2018 came from two structure fire incidents.

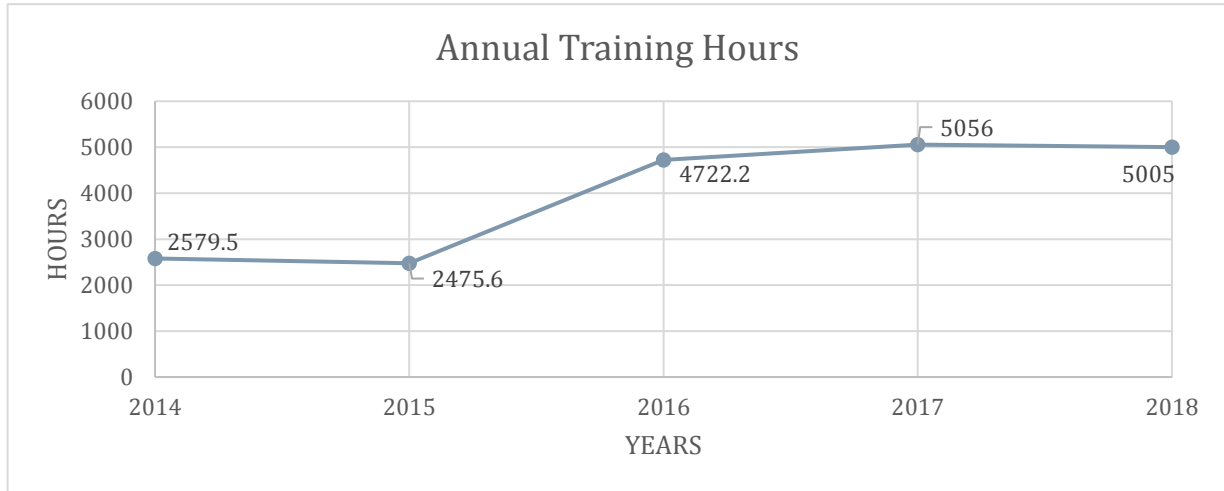
The following chart compares the annual fire loss by year:



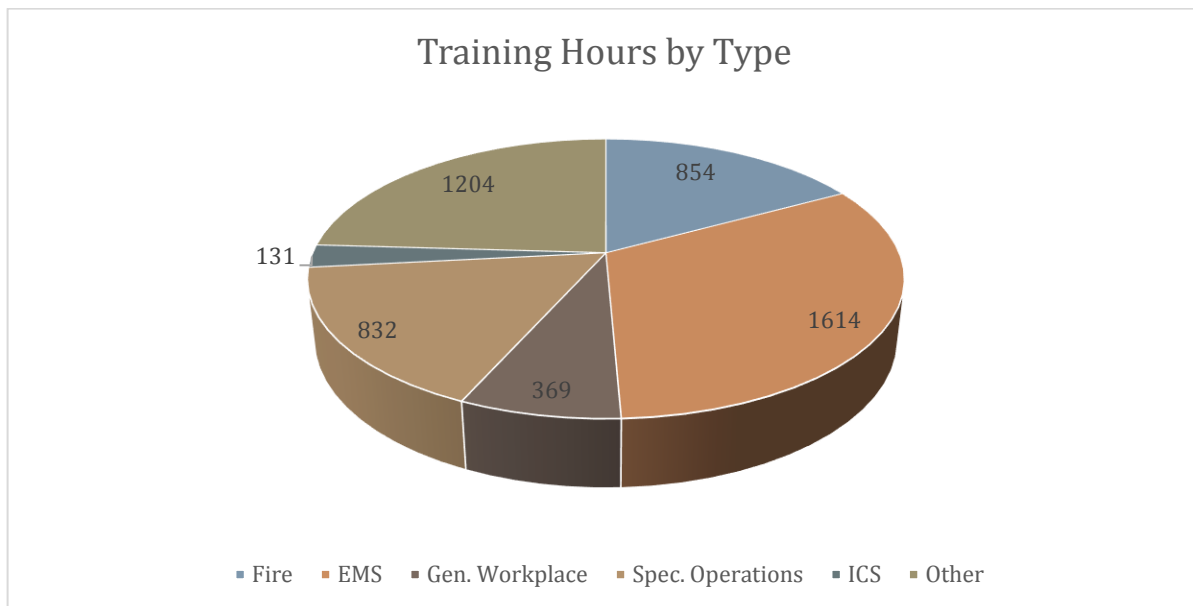
SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Fire Department Training

The Fire Department trained for 5,005 hours in 2018, a decrease of 51 hours from the previous year. The following chart displays this data point:



Training sessions were broken into groups that best fit the type of training being performed. Training types used were fire, EMS, general workplace, special operations, incident command systems (ICS), and Other. The following chart displays the training by session by hours.

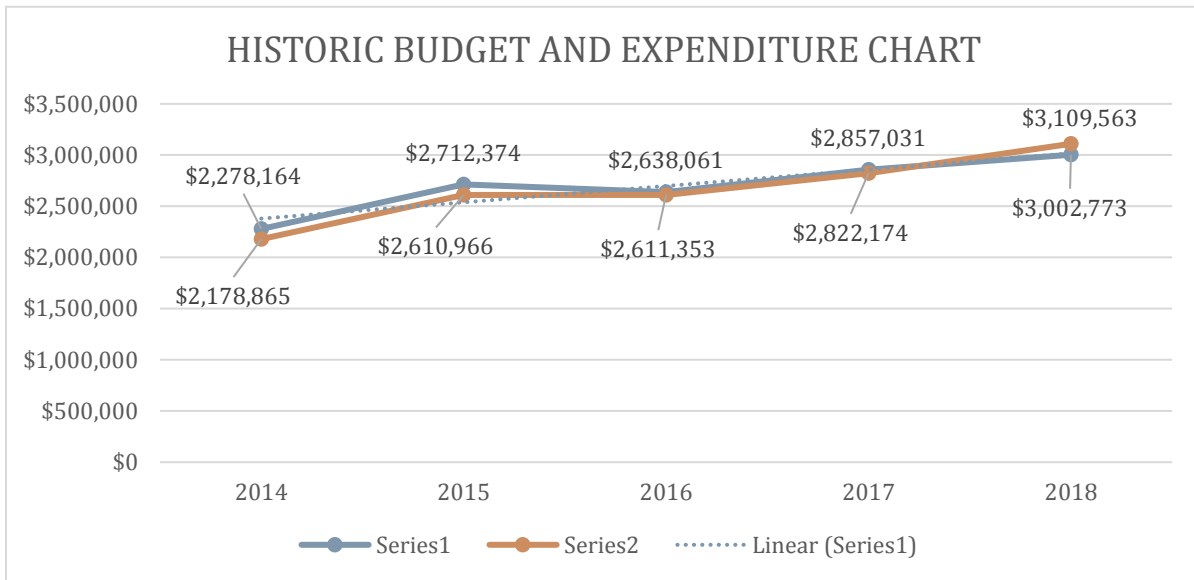


SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Fire Department Finances

Budget and Expenses

The 2018 Fire Department Budget* was approved at \$2,990,272; a 5% increase from 2017. The budget was later adjusted to \$3,002,773. Revenues exceeded budgeted dollars by \$106,790.49 (3.6%). The following charts breaks out the budget by expense type, and by historical comparison.

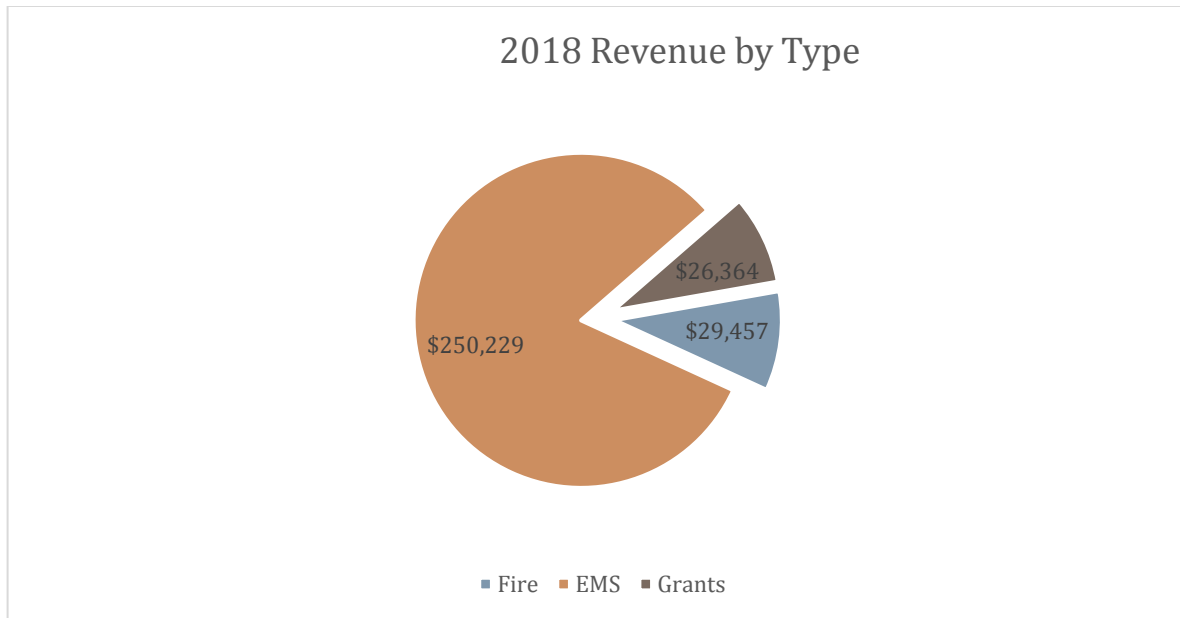


* Fire Department Budget includes Emergency Management Program Budget.

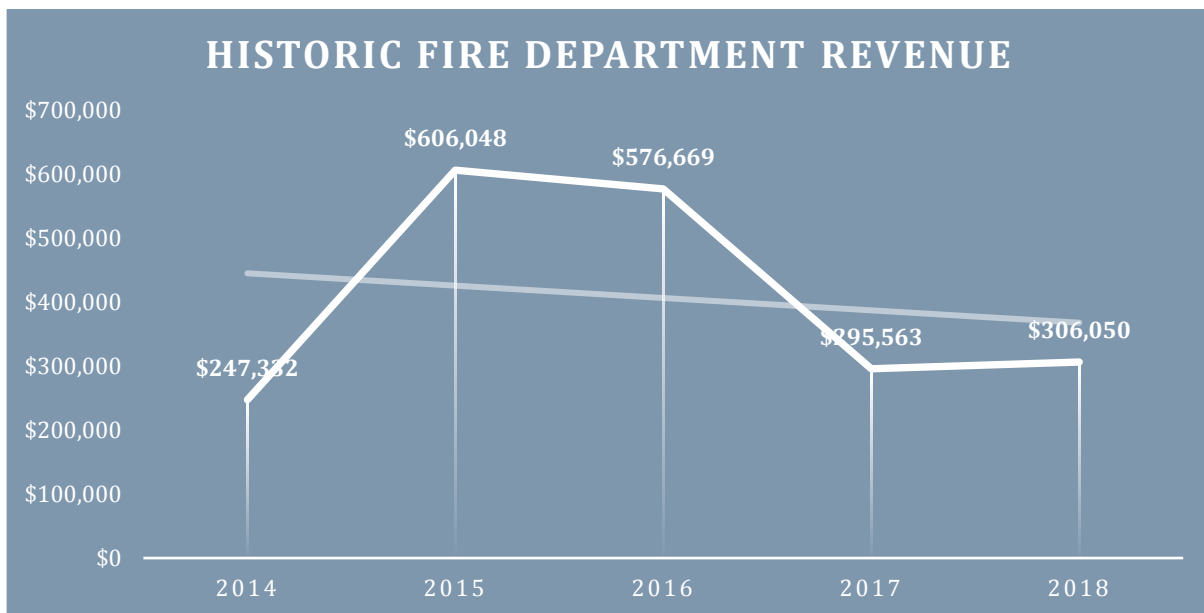
Revenue

The Fire Department generated \$306,050 in revenue in 2018. Fire Department revenue is broken into three categories: fire, EMS and grants. The fire category captures fees generated from fire protection services; grants captures funds received through annual or periodic grants; and EMS revenue comes from EMS transport fees and the King County BLS EMS allocation from the King County EMS Levy. The following chart displays these funds:

SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT



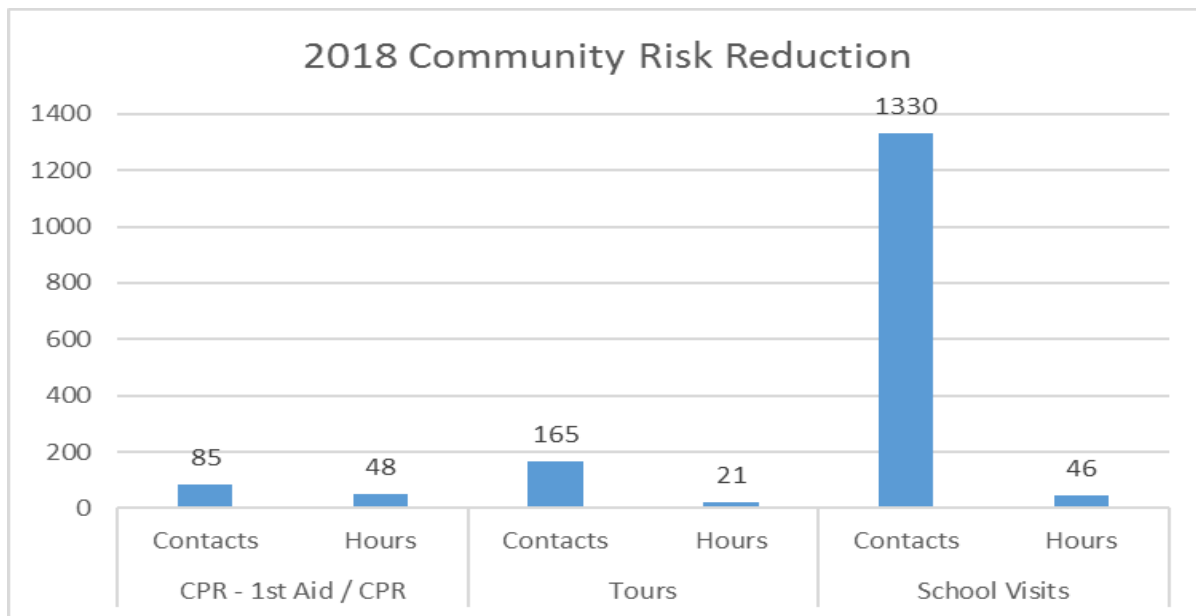
The fire service revenue has ebbed and flowed over the past seven years. The fluctuation in this chart is mainly caused by fire protection service contracts and the timing of the receipt of funds.



SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Fire Prevention and Outreach

An ounce of prevention is worth a pound of cure, and if its predictable – its preventable. This mantra is why the Department spends a portion of its time investing in fire prevention 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 2018, the department invested 115 hours, and reached 1,580 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 business and streamlining the process. This enhancement brought firefighters into businesses and storefronts to affirm all business were being inspected. In total, the department inspected over 80 businesses.

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

	2017	2018
Completed Inspections	80	173
Violations	NA	257

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

SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Emergency Management

EOC Activations:

Two partial activations in 2018

February 4, 2018 – Flooding Event

November 4, 2018 – River Flooding

One full EOC Activation in 2018

February 11, 2018 - Winter storm (snow)

Staff time delegated to Emergency Management: 2,080 hours

Major accomplishment:

Comprehensive Emergency Management Plan (CEMP)

Community Emergency Response Team training

Established Regional Emergency Management Program Grant Agreement

SNOQUALMIE FIRE DEPARTMENT ANNUAL REPORT

Contact Information

MARK CORREIRA
FIRE CHIEF
DIRECTOR OF EMERGENCY
MAMAGEMENT



mcorreira@snoqualmiewa.gov

MICHAEL BAILEY
CAPTAIN
TRAINING/HEALTH AND
SAFETY



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.ci.snoqualmie.wa.us/166/Fire>

