

TO: CHAIR AND MEMBERS
PUBLIC SAFETY COMMITTEE

DATE: 2017 September 27

FROM: JOE ROBERTSON
FIRE CHIEF

SUBJECT: FIRE DEPARTMENT REPORT

REPORT

This report will provide an update for the committee of recent events related to the Fire Department in June, July and August 2017:

MAJOR INCIDENTS

- 1) June 25, 2017 at 07:37 hours - Brush Fire



- 2) July 02, 2017 at 13:43 hours - Vehicle Fire in a Building
- 3) July 02, 2017 at 20:14 hours - Building Fire

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4) July 06, 2017 at 22:27 hours - Building Fire



5) July 11, 2017 at 03:10 hours - Rubbish Fire next to a commercial building



6) July 12, 2017 at 10:57 hours - Building Fire

7) July 18, 2017 at 00:21 hours - Building Fire



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8) July 20, 2017 at 02:15 hours - Building Fire



9) July 26, 2017 at 11:17 hours - Building Fire



10) August 01, 2017 at 23:14 hours - Building Fire



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11) August 16, 2017 at 08:57 hours - Building Fire



12) August 20, 2017 at 13:34 hours - Building Fire



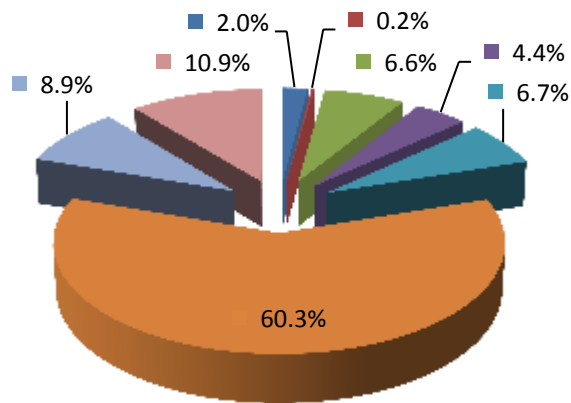
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13) August 28, 2017 at 11:54 hours - Hazardous Materials incident on Highway 1

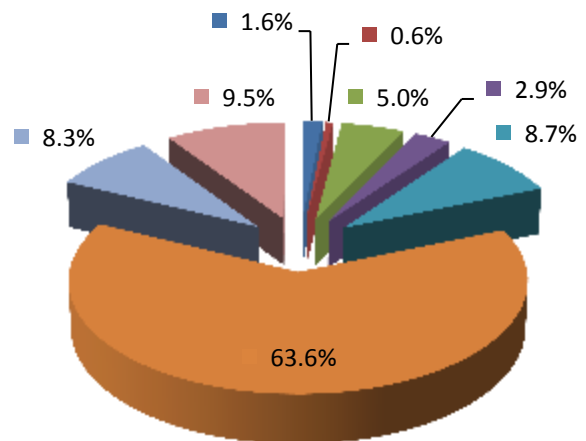


SUPPRESSION DIVISION

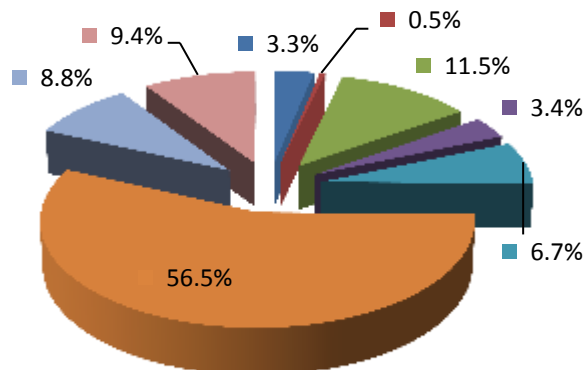
**June 2017
Incidents**



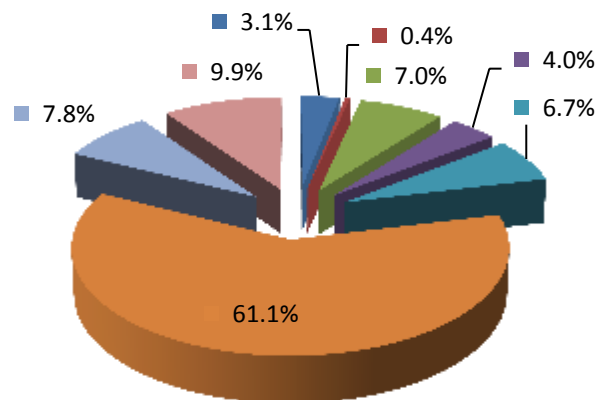
**June 2016
Incidents**



July 2017 Incidents



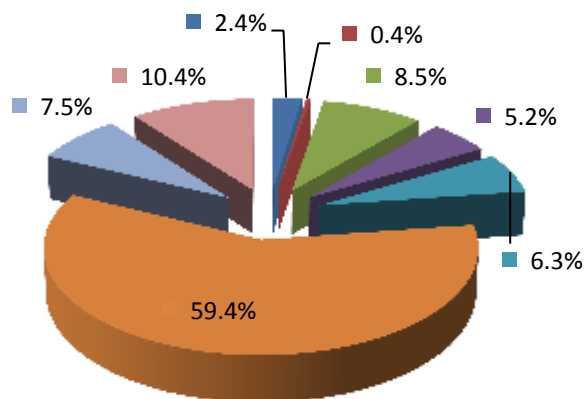
July 2016 Incidents



- | | |
|---------------------------|-----------------------|
| ■ Building Fire | ■ Vehicle Fire |
| ■ Other Fires | ■ False Alarm |
| ■ Accidental Alarm | ■ Medical Emergencies |
| ■ Motor Vehicle Incidents | ■ Public Service |

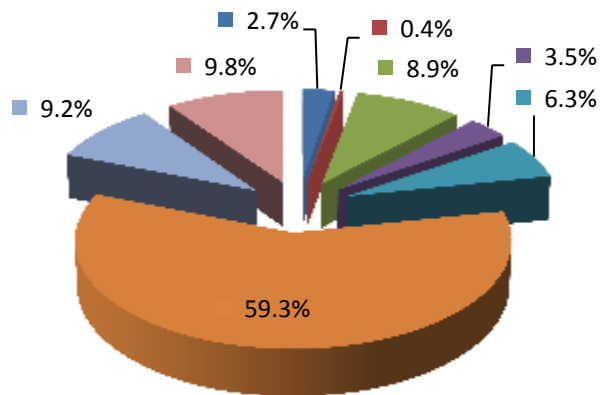
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August 2017 Incidents



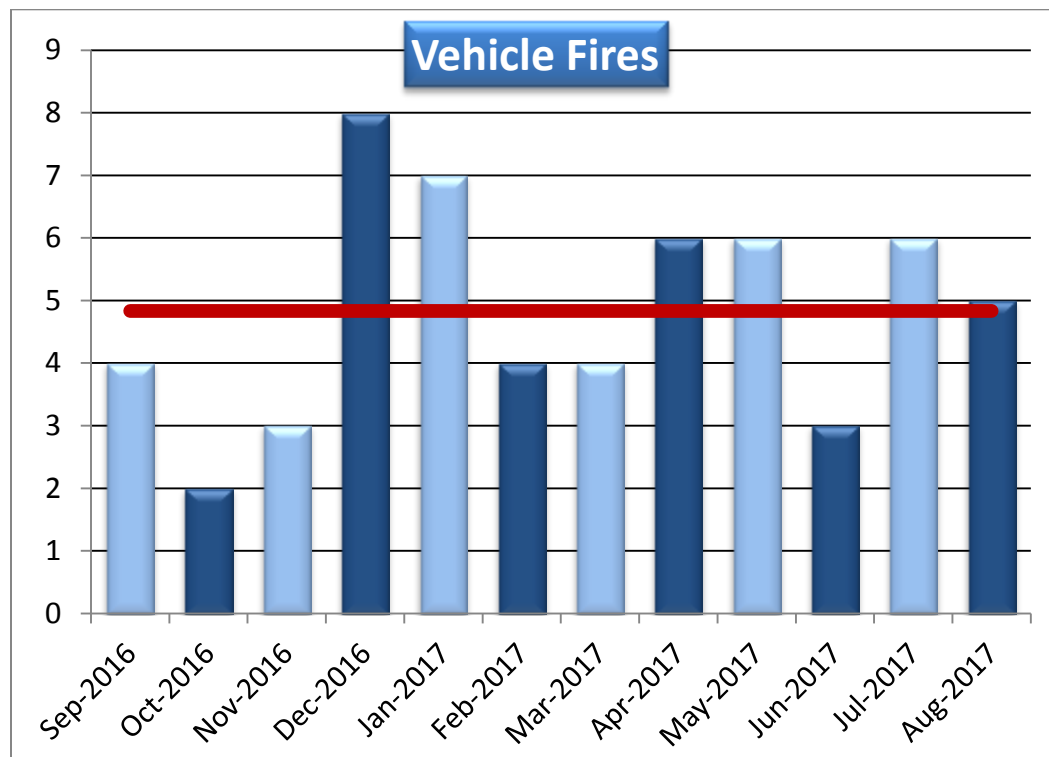
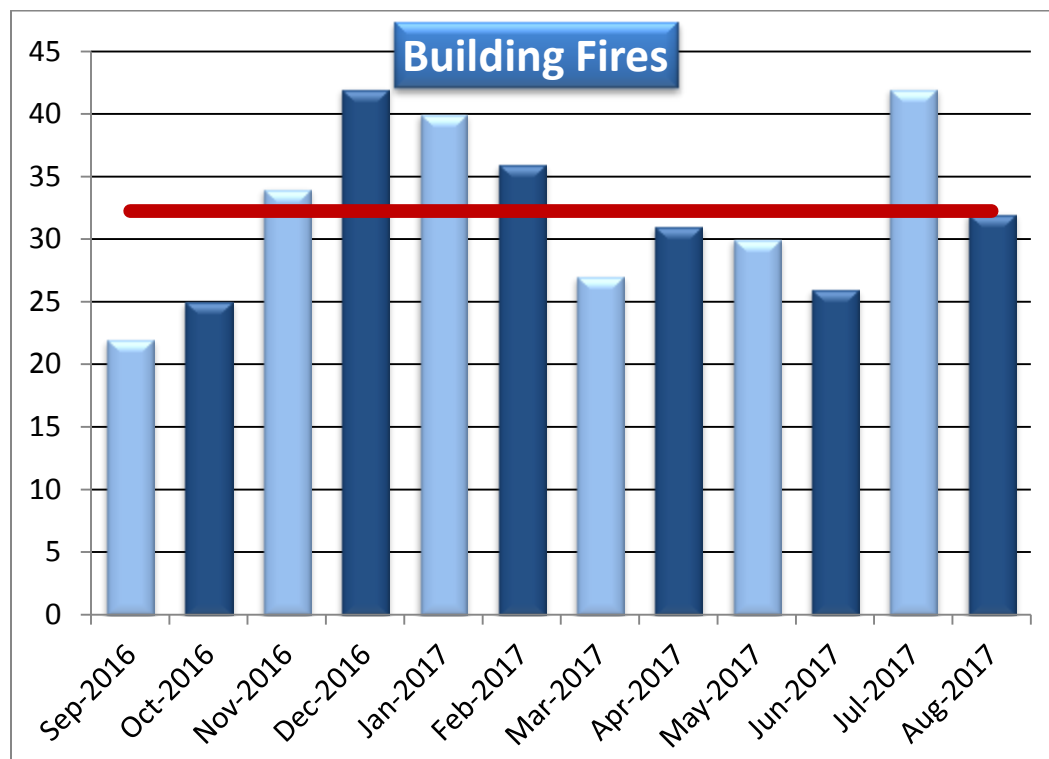
■ Building Fire
■ Other Fires
■ Accidental Alarm
■ Motor Vehicle Incidents
■ Vehicle Fire
■ False Alarm
■ Medical Emergencies
■ Public Service

August 2016 Incidents

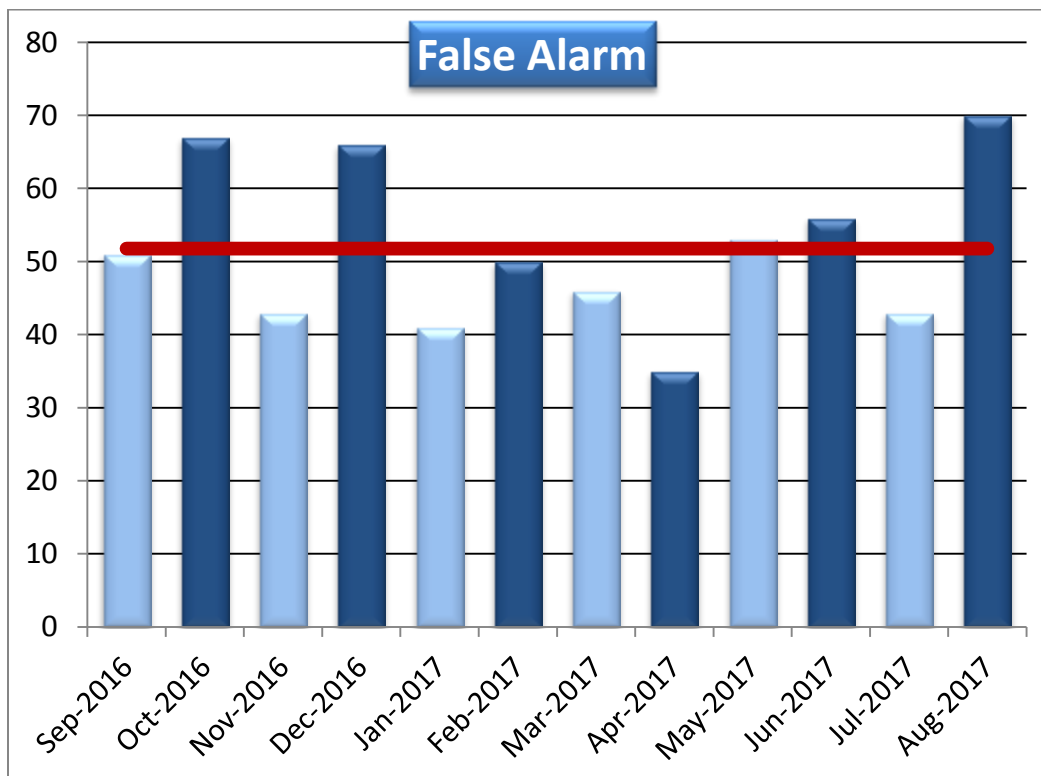
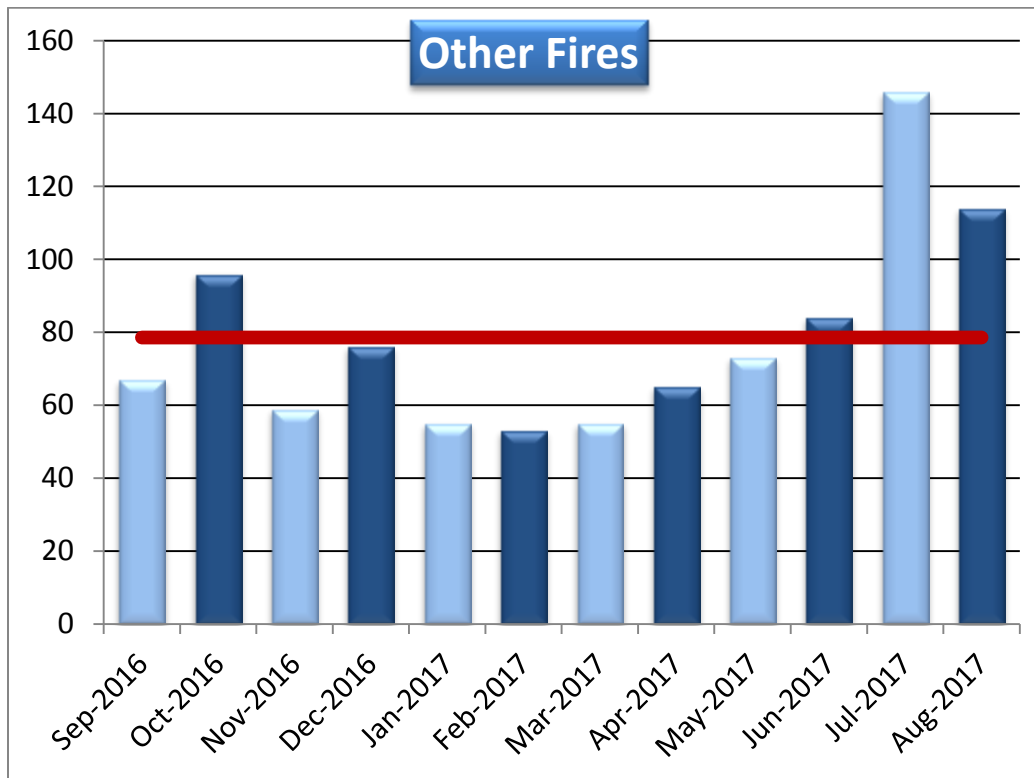


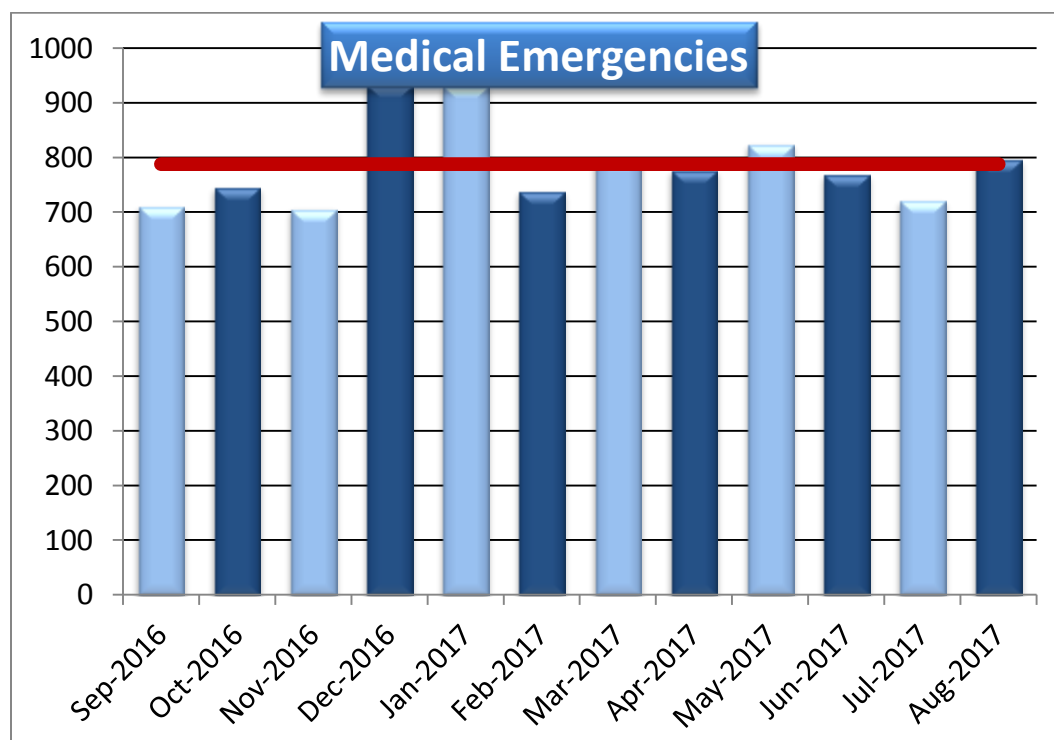
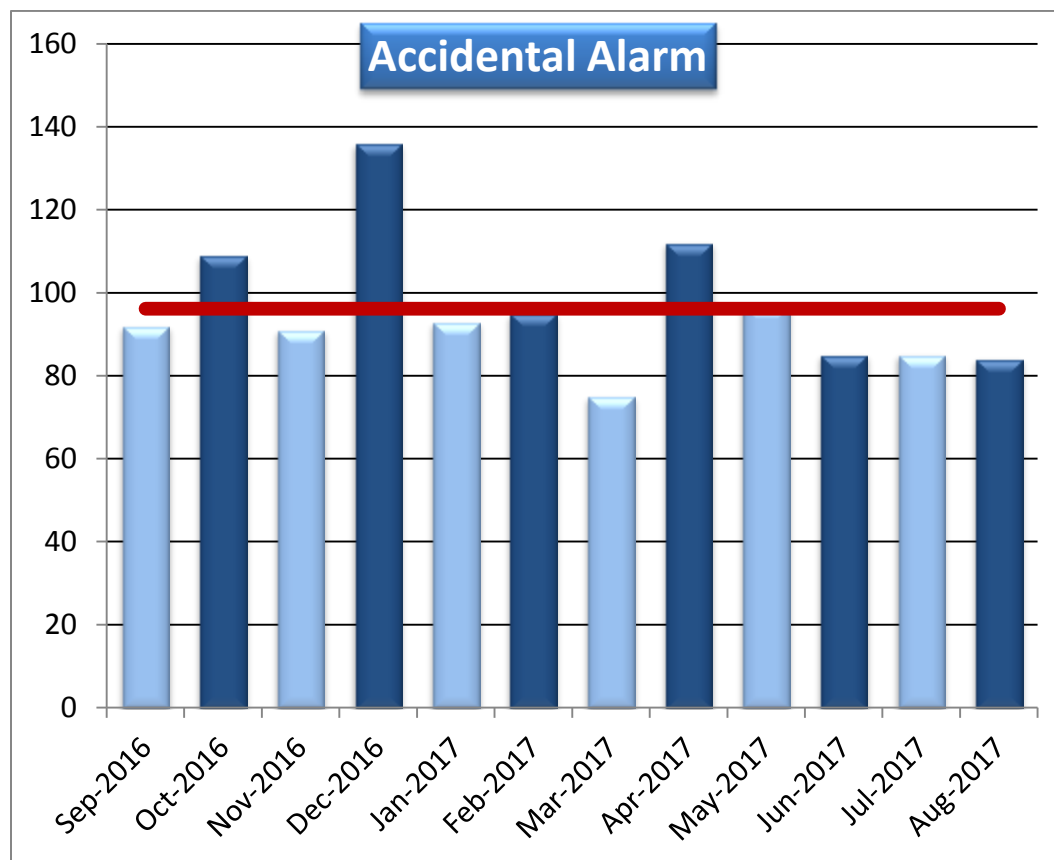
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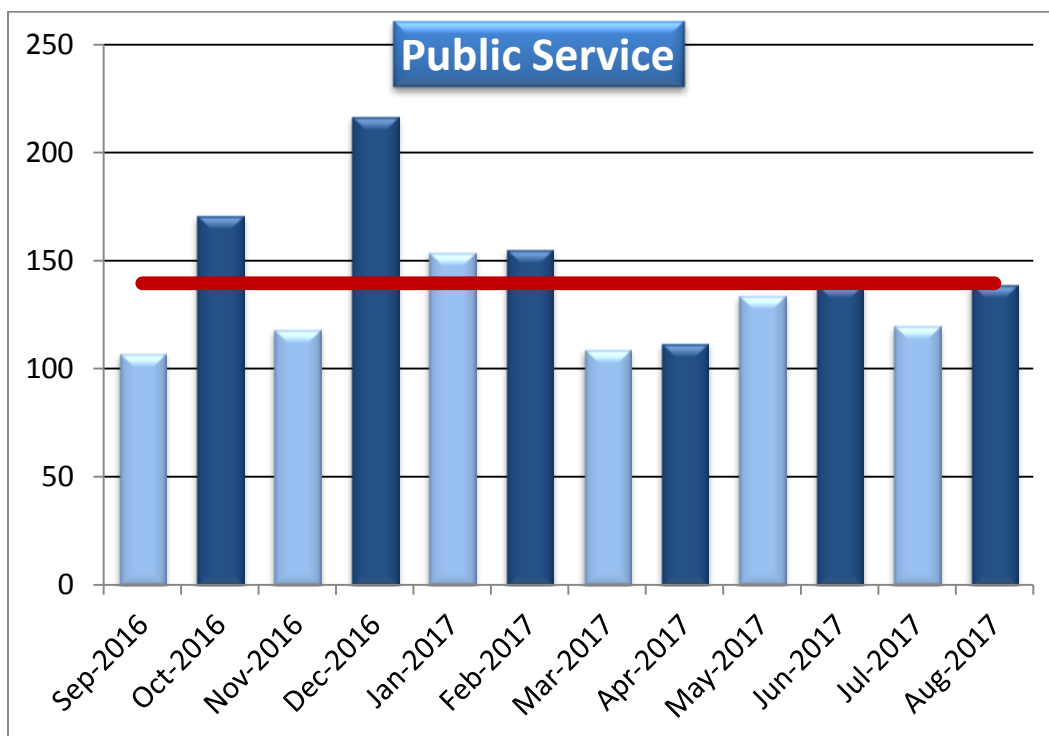
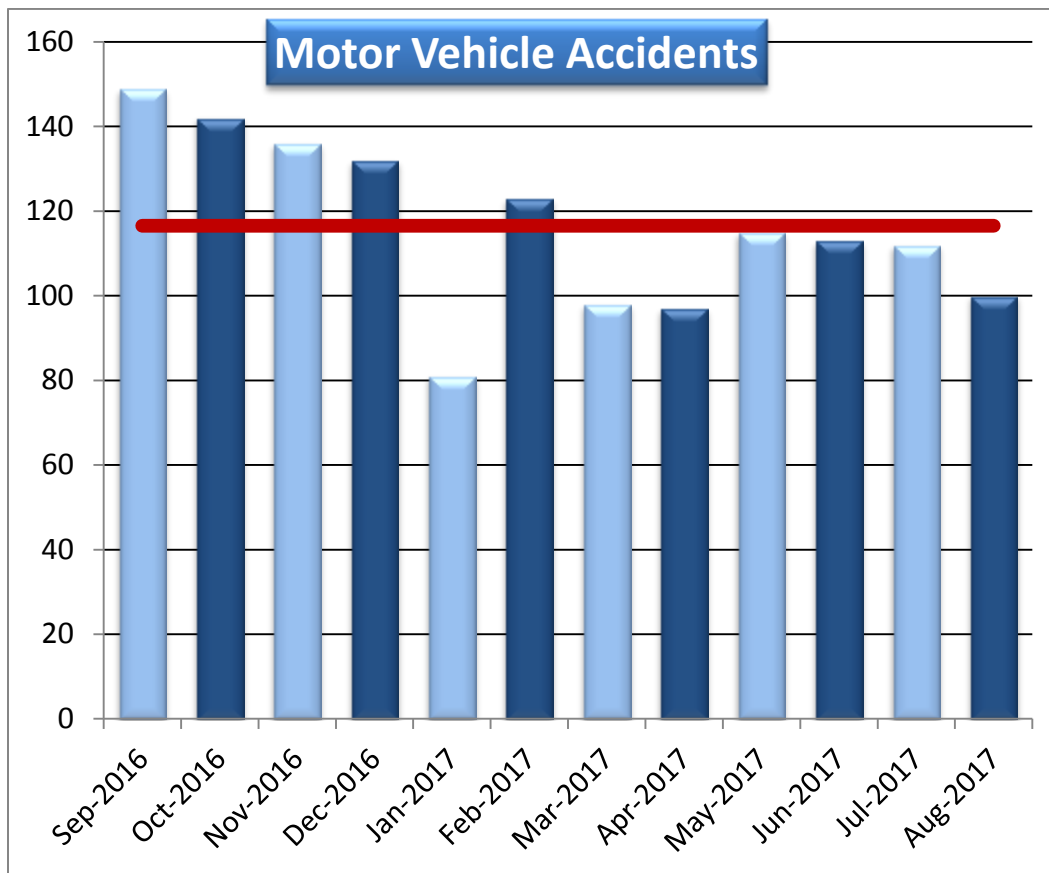
INCIDENT TYPE STATISTICS OVER 12 MONTHS



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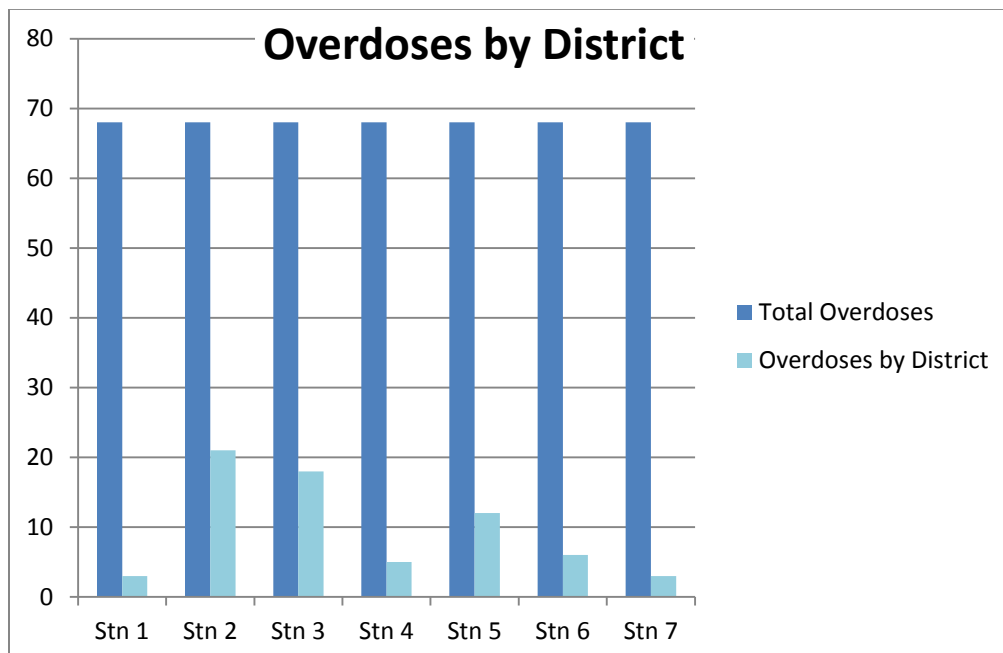
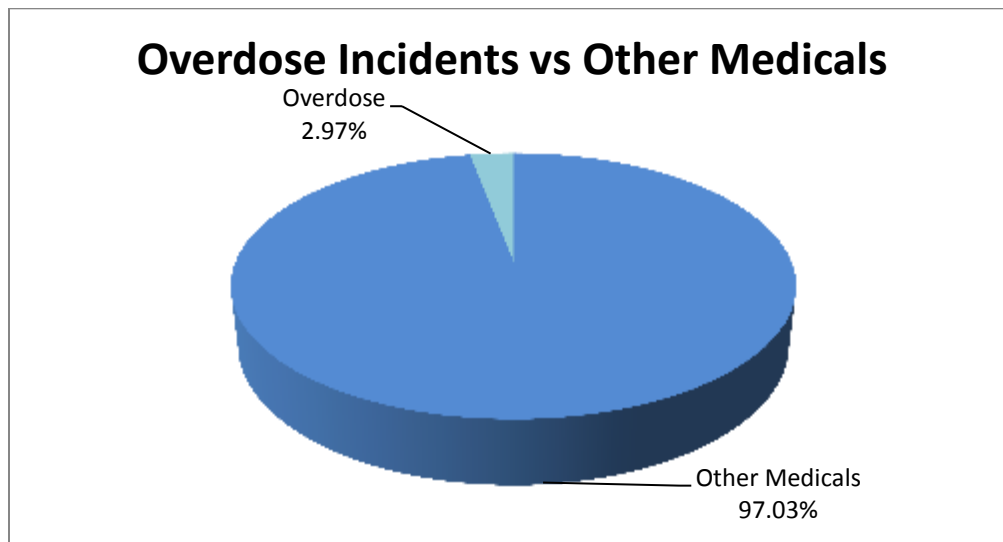




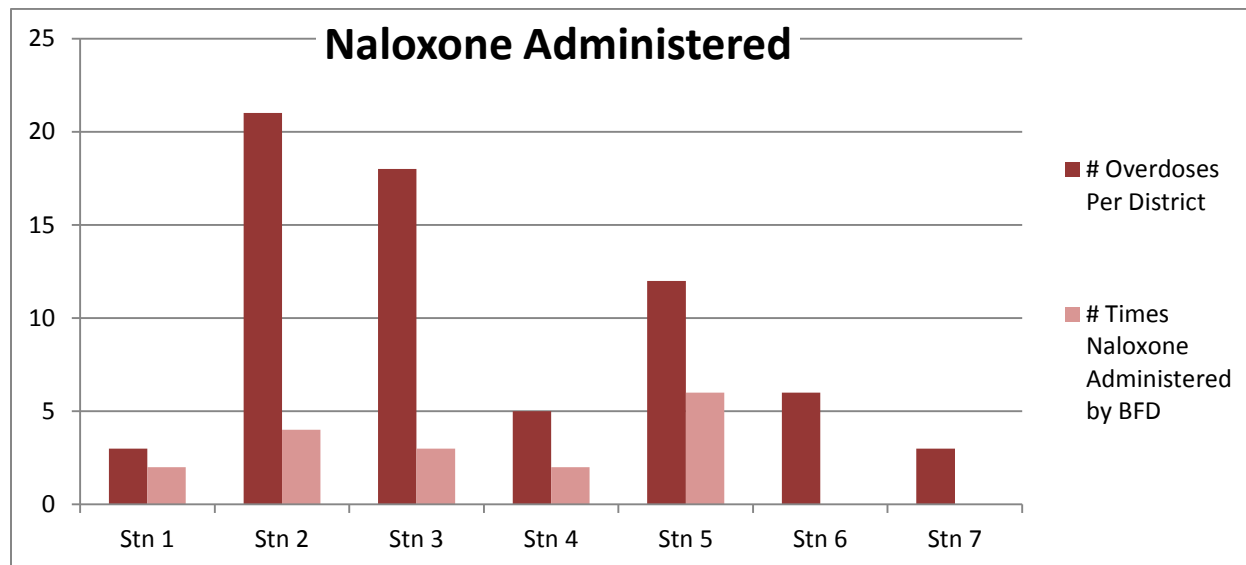
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OVERDOSE STATISTICS

	June	July	August	Total
Total Medical Emergencies	769	721	796	2286
Total Overdose Incidents	24	24	20	68
% of Medicals that are Overdose Incidents	3.1	3.3	2.5	2.9
Number of Interventions with Naloxone	4	6	7	17



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TRAINING

The Training Division is responsible for the scheduling, implementation and recording of all training within the Department. This is a summary of the training that has occurred over throughout June, July and August 2017:

- Fire Company Training (day shifts)
 - Hose Evolutions
 - New Equipment
 - SCBA
 - FDM
 - ITAC/Strategies and Tactics
 - RIT
 - MVA/Extrication
 - High rise Safety features
 - High rise hose deployment
 - Wildland Familiarization
 - Station Tours/ Show and Shine
 - Re Preceptorship 8 Students
 - Forcible Entry
 - Hose testing
 - Respect in the workplace (Full Company training)
 - Department annual Ladder service and testing
 - 36 specialty hall tours and truck requests to the community
 - Air quality indexing webcast from station 1
 - Operation guide line review of Incident response- Incident reporting- Disciplines
 - Full Company annual SCBA Fit testing
 - Fortius annual personal medical testing
 - Youth Outreach program 13 youths trained over 4 days in SCBA hose handling fire suppression Auto extrication Technical rescue Fire extinguishers Red cross certification for CPR C' ticket
 - Volunteering and giving back to the community
 - 3 monthly safety meetings
 - Public Safety Committee Demonstration Rescue Task Force MVA Demonstration and Technical Rescue Tower demonstration
 - MVA module 1 and 2 full company
- Program/Specialty Training
 - Rescue Task force
 - Hazmat

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- Natural Gas scenario
- Technical Rescue
 - Tower crane inspections and evolutions
 - Burnaby Mountain Evolutions
 - Structural collapse review
- Air Brakes
- Driver training
- Inflatable boat/Zodiac
 - Burnaby and Deer Lake Response and Deployment
- Return to work Program- 2 Officers
- Senior Officers ITAC Strategies and Tactics review
- Night Shift Practices
 - ITAC Terminology
 - Fentanyl Review
 - Ladders
 - Carbon Monoxide/Carbon Dioxide Dangers
 - Geography
 - Ropes and Knots
 - Worksafe BC Regulation- IDLH
 - Report writing
 - Thermal Imaging Camera Review
 - Hazmat Emergency Response Guide
 - Emergency Support Services
 - Vehicle Fire Review
 - Gross Decon
 - Respectful Workplace review
 - BFD Media Policies
 - Clandestine Lab
 - MVA Scene management
 - Hazmat Awareness
 - SCBA air management
 - Dust explosions
 - New Department Key system review
 - Skytrain jacking
- Finalization for Fall Training Block

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FIRE PREVENTION DIVISION

During June, July and August 2017, Department Fire Inspectors:

- Initiated or completed 142 low-rise apartment routine inspections
- Initiated or completed 43 high-rise building routine inspections
- Initiated or completed 309 complex business license inspections
- Completed 61 sprinkler inspections
- Completed 61 building final approval inspections
- Approved 55 Fire Safety Plans
- Reviewed and updated numerous Pre Incident Plans
- Collected Vital Information Program data
- Investigated and/or formally reported 59 fires to the Office of the Fire Commissioner
- Conducted numerous re-inspections on outstanding issues related to previous inspections
- Care facilities along with public, private and community schools will be inspected commencing September 5th. The Fire Prevention Division will focus on completing all Care facilities and schools in September and October.

The Acting Chief of Fire Prevention has continued to focus his efforts on the professional development of the Division staff, managing rezoning issues, and approving building, fire access and sprinkler permitting plan. The Acting Chief Fire Prevention:

- Reviewed building code reports and continually attended meetings.
- Reviewed 240 permit applications including anything from a small tenant improvement to a large, comprehensive, complex, new development project.
- The complexity of conducting high rise routine inspections is made evident when we began to enforce the 5 year roof top flow test on all high rise buildings older than 5 years old. Of the 43 high rise inspections either initiated or completed in the June, July, August duration, 39 are ongoing and only 4 were completed. Many older buildings are replacing fire department connections, piping, fire pumps and components that have been shown to fail when conducting this mandatory 5 year test.
- While conducting extensive routine inspections on low rise apartment buildings, our inspectors have found several illegal suites. Most of the suites had to be vacated because of the location within the building and its non-compliance to both BC Building Code and BC Fire Code.

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The Fire Prevention Division is still continuing to support the ongoing development of Department Suppression staff by providing comprehensive high-rise training system training in order to communicate newly changed design standards for mixed-use buildings containing multiple occupancies. This training partnered the Fire Prevention Division with community stakeholders to provide fire suppression crews with onsite high-rise life safety systems orientations.

Hydrocarbon detector being used



Rinsing away debris to expose burn patterns



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WILDLAND DEPLOYMENT

We provided support of the Elephant Hill fire from July 14 until September 4. This equaled 6 deployments consisting of 9 Firefighters, including Fire Officers, as well as one Chief Officer (Deputy Chief) overseeing and in command of each deployment. Ten BFD personnel per deployment totaling 54 unionized staff and 3 from the Fire Management Team. There is a chance they may call again this season but at this time it appears doubtful.

Our role was structural protection and working alongside BC Wildland staff to support their operations. We worked exclusively on night operations and were humbled to be put in command of this portion of the incident. Our personnel worked extremely hard for extended periods of time and sacrificed time away from their families to contribute during the provincial state of emergency.



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Joe Robertson
Fire Chief

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