



City of Auburn Hills
Fire Department
2017 Annual Report

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AUBURN ❖ HILLS

Fire Department



≈ Auburn Hills Fire 1899 N. Squirrel Road, Auburn Hills, MI 48326 ≈

2017 Year End Report

On behalf of the men and women of the Auburn Hills Fire Department, I am pleased to present the 2017 Year End Report. Growth and progression was the theme for the Fire Department in 2017. The Headlee override approved by residents in late 2016 went into effect with the start of the new year on January 1st. Restoring the fire millage to 2.5 mills provided approximately \$1.2 million additional revenue. A significant portion of this increased funding is dedicated to the seven additional career fire personnel that were hired in 2017. The hiring process was completed by early spring and the new personnel completed their initial training by mid-summer. On July 22, 2017, for the first time in history of the Fire Department, all three fire stations were staffed by a minimum of two personnel working 24 hour shifts. Prior to this change, districts 1 and 3 were primarily covered by on duty personnel responding from station 2 which resulted in less than optimal response times. The response time to the very north end of the city could exceed 10 minutes from station 2. Once station 3 was staffed the response times to the north end of the city dropped into the 6 minute range.

The call demand for service increased by 341 incidents or 10.4% in 2017. As anticipated, medical emergencies accounted for the highest demand for service at 71% of all incidents. Prior to staffing all three ambulances, the number of requests for outside mutual aid for medical emergencies ran between 15 and 20 incidents per month. The number of mutual aid requests for an outside ambulance dropped to three incidents per month with all three stations staffed. The increased call volume and decreased number of mutual aid requests for medical emergencies impacted the amount of revenue collected from EMS service. In 2017 the Fire Department collected \$654,724 in EMS revenue, an increase of 10.8% over 2016.

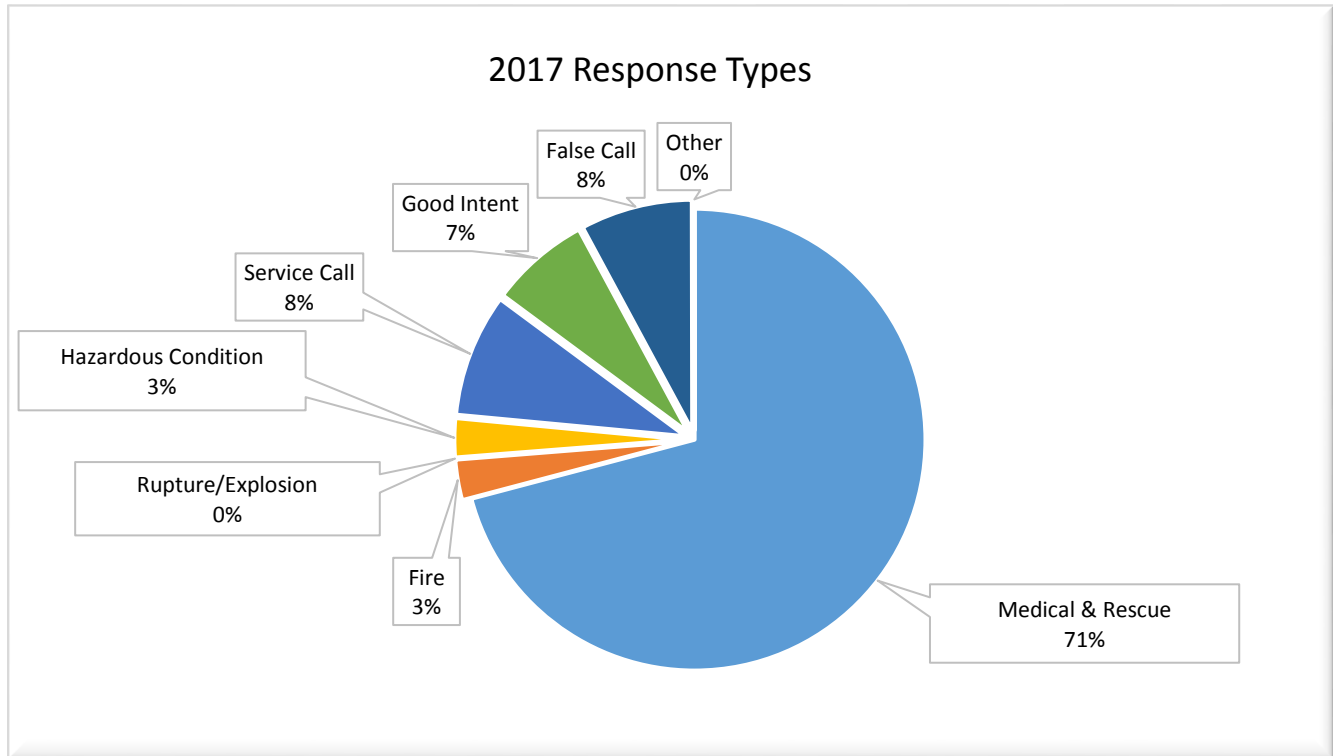
Fire personnel responded to 103 fires, 3% of all incidents in 2017. On a positive note, we did not experience multiple alarm residential and commercial structure fires as we did in 2016. Unfortunately one residential structure fire that we battled resulted in the death of a 77 year old resident on December 8, 2017. The investigation showed that the victim was smoking in bed while using oxygen when the fire started. The victim did move out of the burning bed but she was unable to escape from the room before she perished. The fire damage was contained to the bedroom where the fire started.

The most significant capital improvement of 2017 will actually arrive in August of 2018. A new 100' ladder truck was approved and ordered from Rosenbauer in August. The truck is a custom build with a rear mount ladder which takes approximately 360 days to complete. The new ladder truck will replace a 21 year old ladder truck.

The Prevention division handled a combined total of 824 inspections and pre-plan reviews. This is down slightly from 2016. The two fire inspectors and department clerk were able to achieve 100% compliance with all businesses reporting hazardous materials data as required under the Firefighter Right to Know Act. A total of \$65,600 in hazardous materials permit fees was collected as result of this annual process. Suppression personnel continue to work with Prevention personnel on developing site specific pre-designed response plans for all critical buildings.

The tables and graphs on the following pages provide a statistical review of 2017 accomplishments.

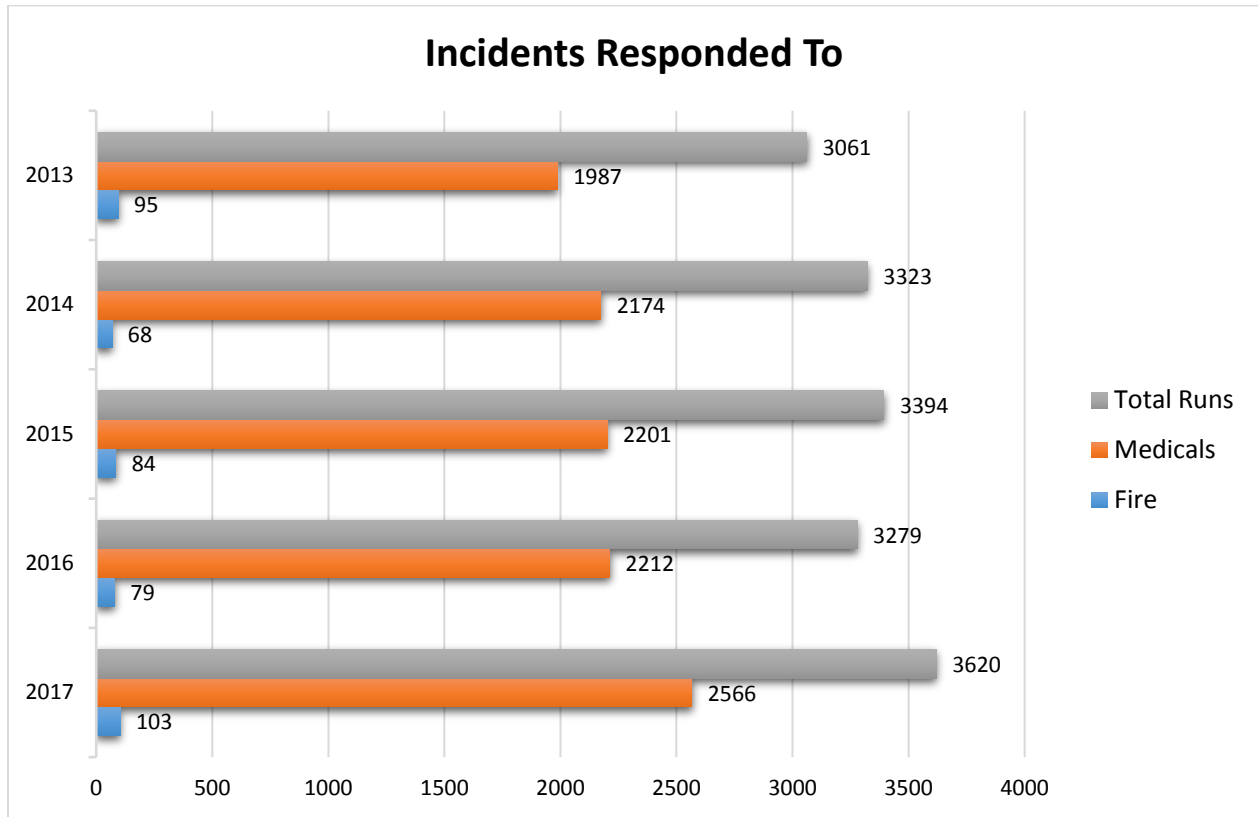
Response Types



Incident Comparison – 3 Years

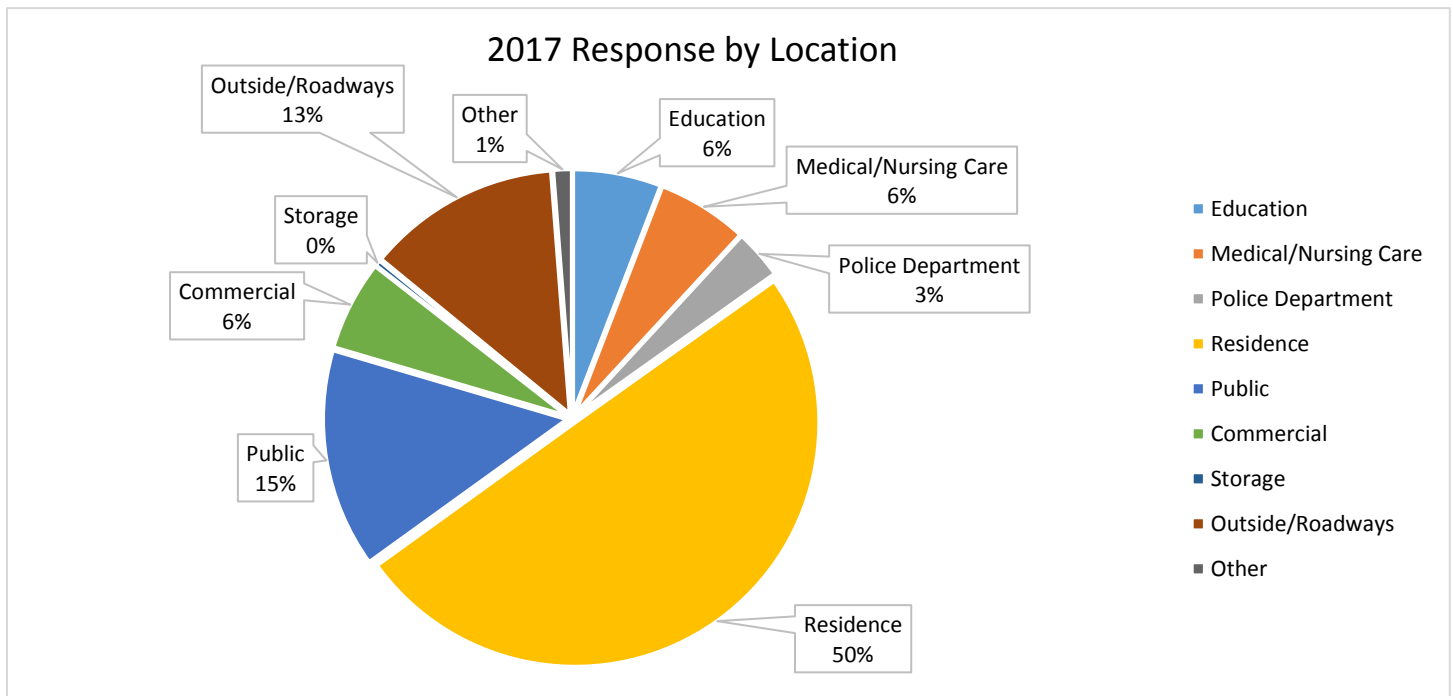
Incident Type	2017	2016	2015
Medical & Rescue	2566	2212	2201
Fire	103	79	84
Rupture/Explosion	1	0	2
Hazardous Condition	99	81	92
Service Call	313	357	404
Good Intent	253	296	332
False Call	284	253	272
Other	1	1	7
Total	3620	3279	3394

5 Year Comparison

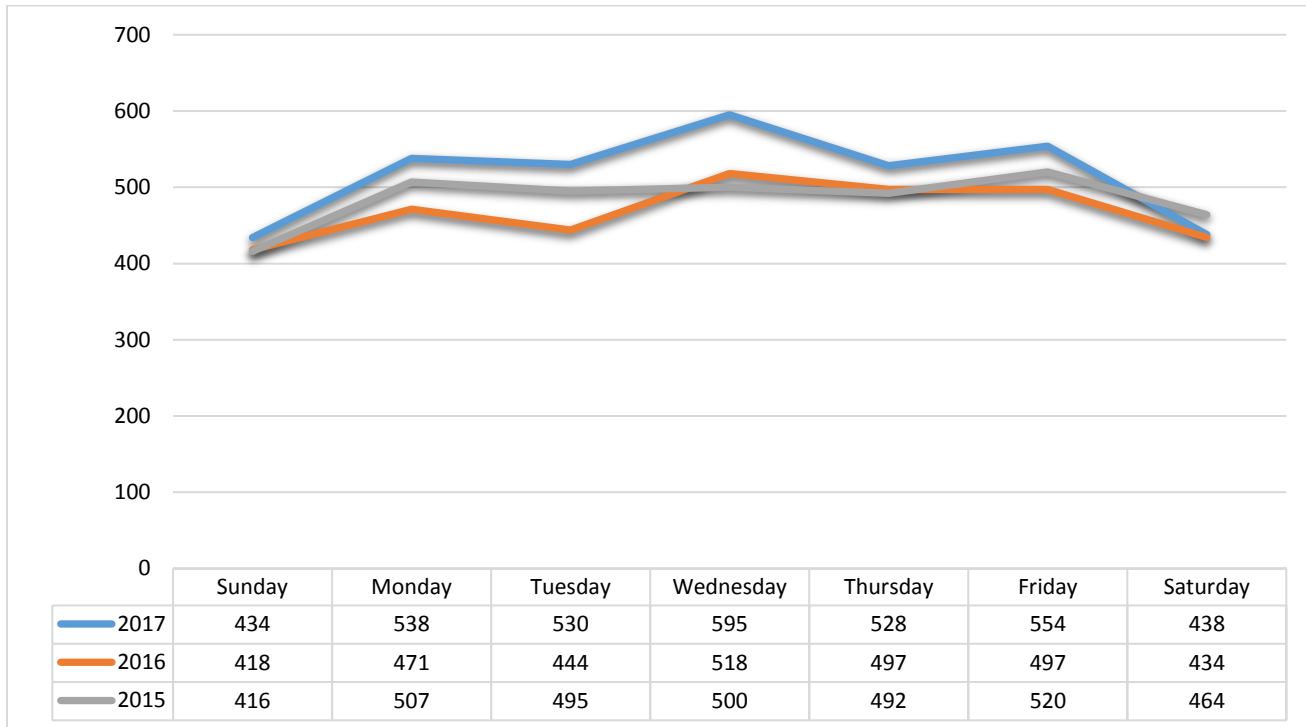


Incidents have continued to increase, up 18.2% since 2013

Response by Location Type

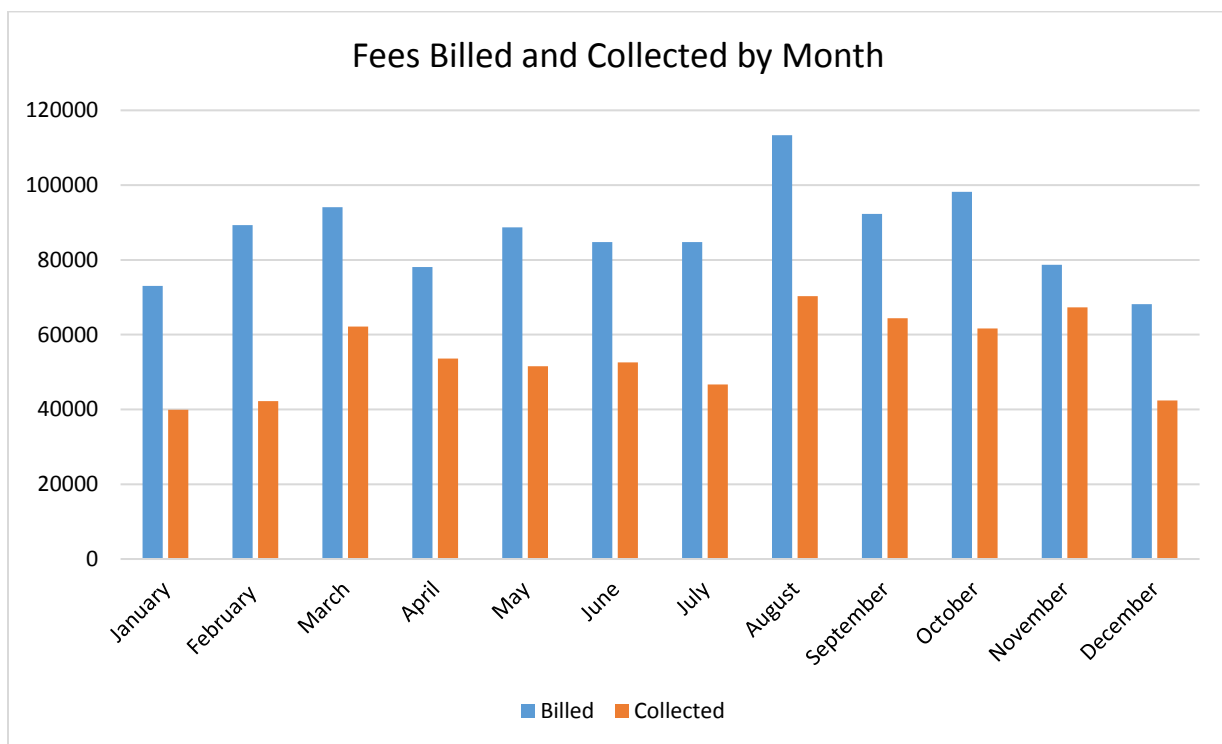


Incidents by Day of Week

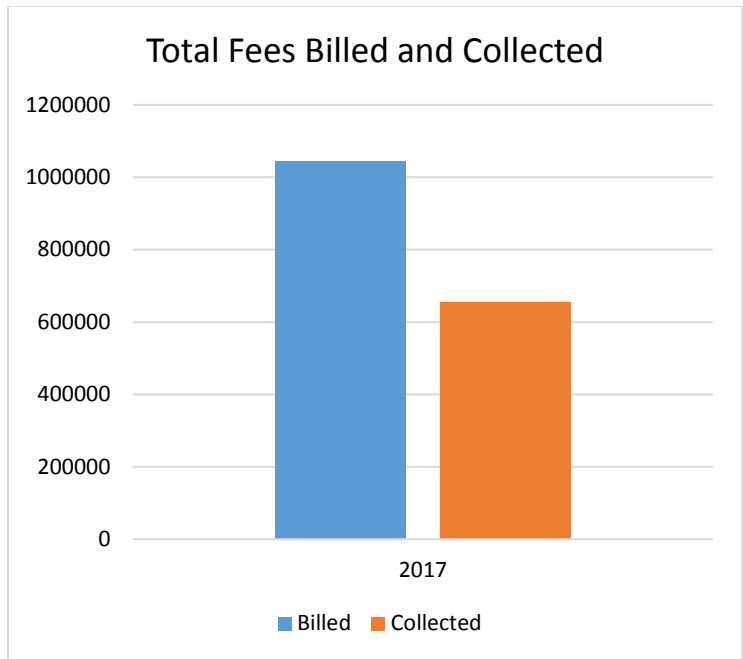


Calls for service are generally consistent throughout the week with the highest demand on Wednesdays.

Emergency Medical Service



An average of \$86,954 billed and \$54,560 collected per month.

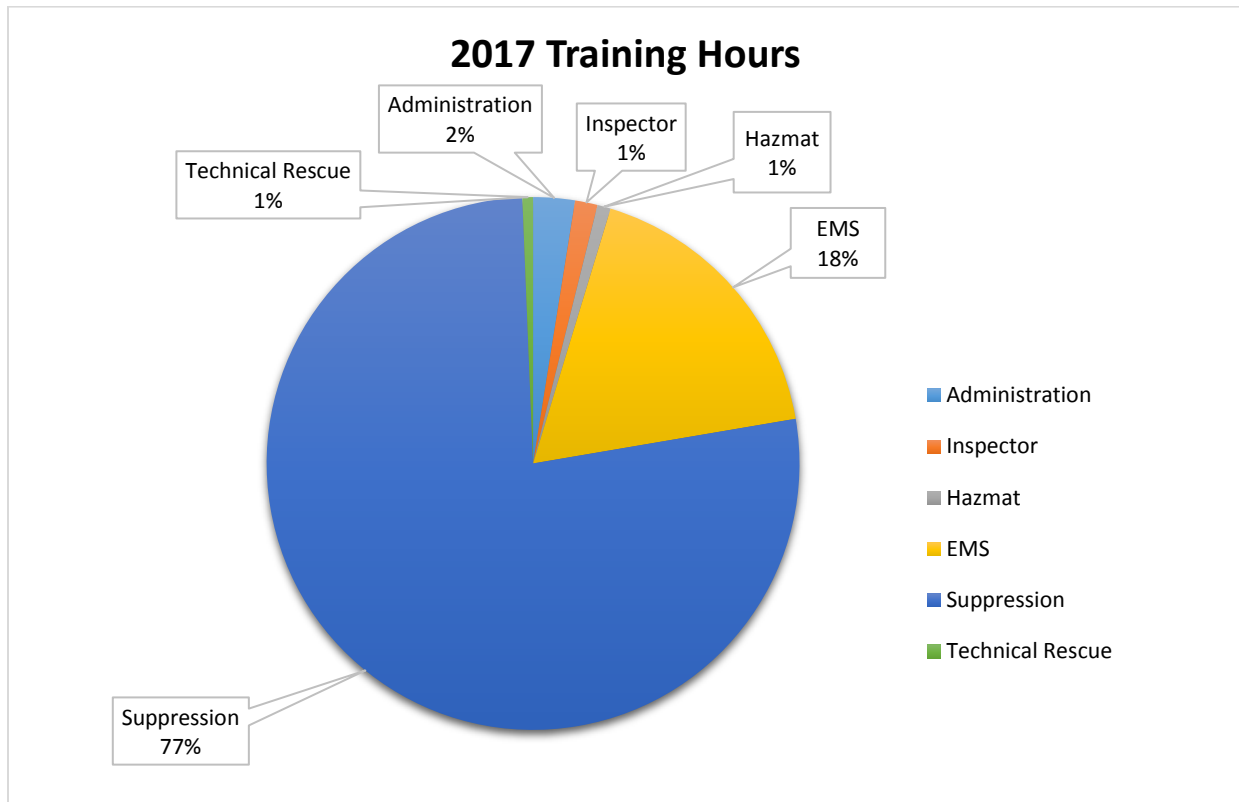


\$1,043,442 Billed / \$654,724 Collected

Personnel / Staffing				
Administration	Suppression/EMS	Prevention	Paid on Call	Part-time
3	20	2	7	8

* Staffing as of 12/31/2017. The open fulltime Suppression position was filled in January 2018.

Training Hours



Training	2017	2016	2015
Administration	125.50	209.27	106.50
Inspector	68.50	27.00	23.25
Hazmat	40.00	55.50	67.25
EMS	875.00	741.50	917.47
Suppression	3826.67	1314.72	3802.07
Technical Rescue	32.00	68.50	4.00
Total Hours	4967.67	2416.49	4920.54

2017 Inspections & Plan Reviews

Inspections	2017	2016	2015
Annual	80	76	97
Final Building	80	76	76
Suppression/Detection	150	199	175
Follow up	149	110	166
Incident Preplanning	8	29	41
Complaint	10	2	10
Bonfire Permit Issued	19	20	18
Knox Box Updates	13	8	13
Total	509	520	596

Plan Reviews	2017	2016	2015
Site	96	136	80
Suppression	111	106	84
Detection	73	61	44
Temporary Event	25	19	28
Pyrotechnic	10	14	14
Total	315	336	250

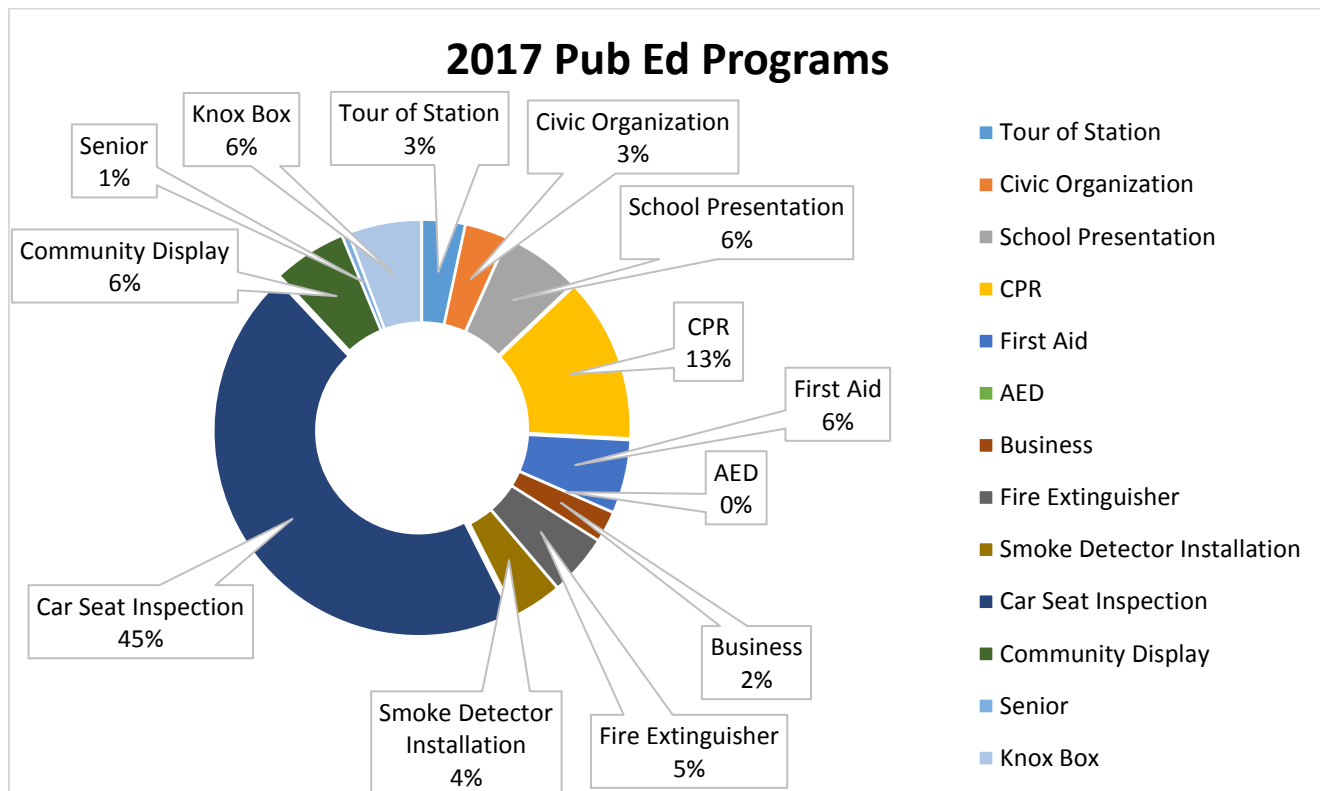
Plan review activity decreased by 6% while Inspections decreased by 2%

Firefighter Right to Know Act – Hazardous Materials Reporting

	2017	2016	2015
Red Buildings	78	75	77
Yellow Buildings	134	134	130
Total Buildings	212	209	207

Fees Collected	\$65,600	\$63,900	\$63,600
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Public Education



Programs	2017	2016	2015
Tour of Station	7	4	6
Civic Organization	7	7	4
School Presentation	13	16	12
CPR	27	14	14
First Aid	12	7	11
AED	0	1	8
Business	5	6	6
Fire Extinguisher	10	4	11
Smoke Detector Install	8	13	19
Car Seat Inspection	95	101	112
Community Display	12	14	16
Knox Box Install	12	9	12
Senior	1	2	2
Total	209	198	233