

# Sterling Fire Department



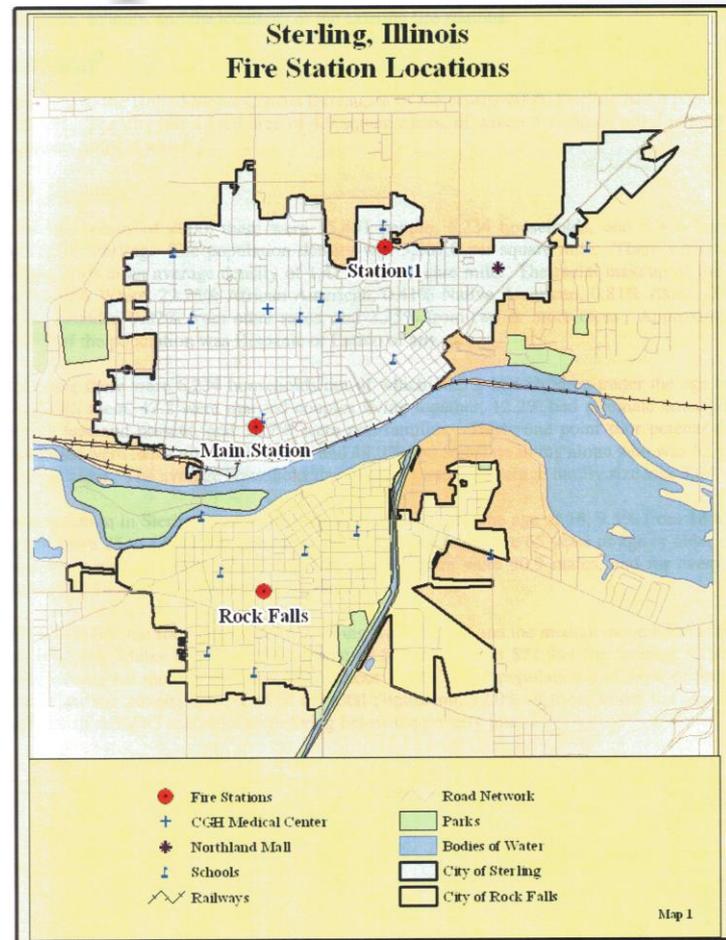
2017 Annual Run Summary and Report

# Sterling Fire Department 2017 Annual Report

- The following is the 2017 Sterling Fire Department Annual Report, it includes a brief synopsis of call activity starting January 1<sup>st</sup> 2017 to December 31<sup>st</sup> 2017.
- We are an All Hazards Department which responds to hazardous materials incidents, confined space rescues, high angle rescues as well as motor vehicle accidents with trapped occupants, we are not limited to fire and medical responses.

# Demographics

- The City of Sterling has 4.9 square miles, 4.7 of which is land and .2 is water. The fire district covered by the Sterling Fire Department is 82.7 sq. miles.
- As of the 2000 census Sterling had a population of 15,542 people. The population density was 3,307 people per square mile.



# Fire Station Locations and Deployment

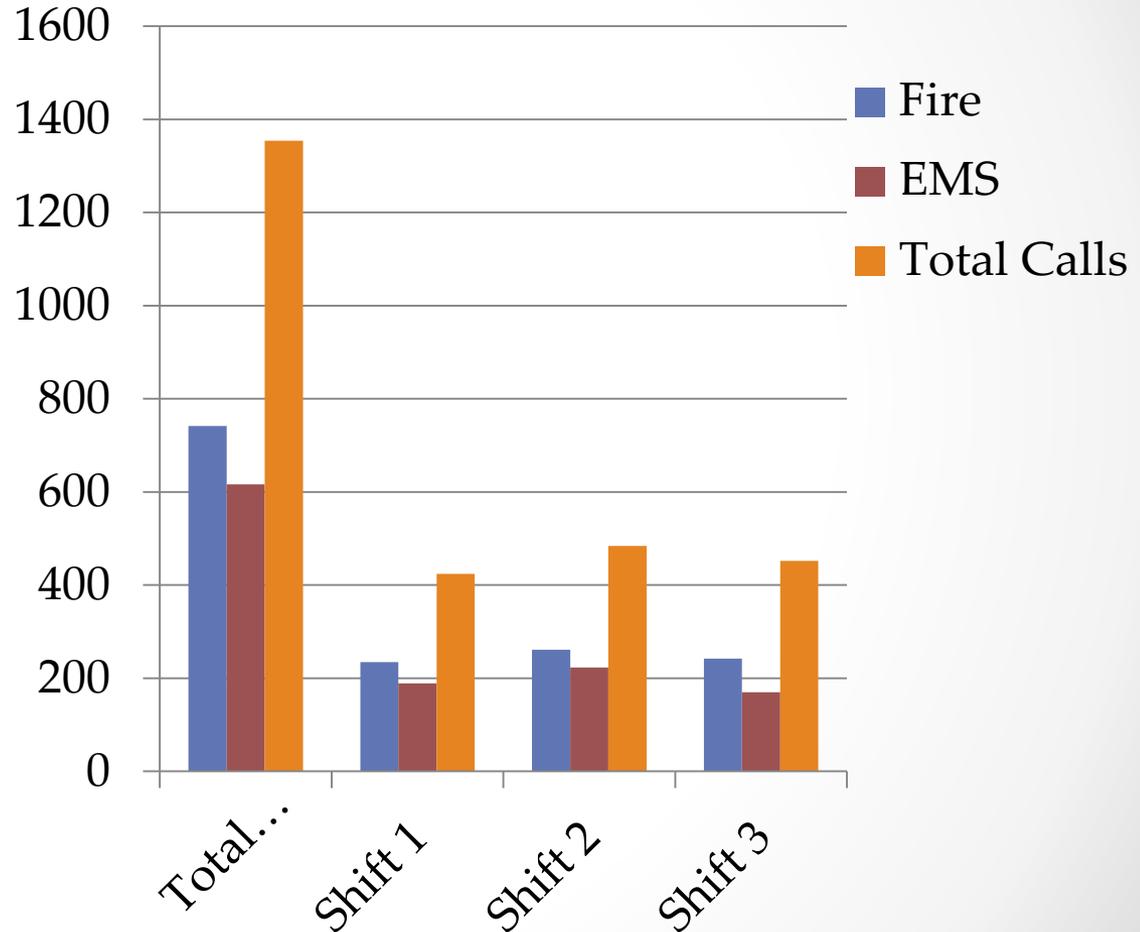
Sterling and Rock Falls Fire Departments have an auto aid agreement. The departments are dispatched together to certain types of high hazard calls.

The initial response to a structure fire will range from eight to ten firefighters depending on the units that are available at the time of the incident.

Station	Address	Apparatus	Personnel
Main Station	110 W. 5 <sup>th</sup> Street	Quint 1 Engine 2 (Reserve) Engine 6 Brush 13 Tender 1 Squad 1 Squad 2 Boat 1	3 Firefighters 1 Officer
Station 1	1510 E. Lynn Boulevard	Engine 1	1 Firefighter 1 Officer
Rock Falls	1013 Seventh Ave.	Engine 40 Engine 41 Engine 45 Engine 50 Squad 49 Squad 51 Squad 52 Tender 46 Tender 47 Boat 1	3 Firefighters 1 Officer

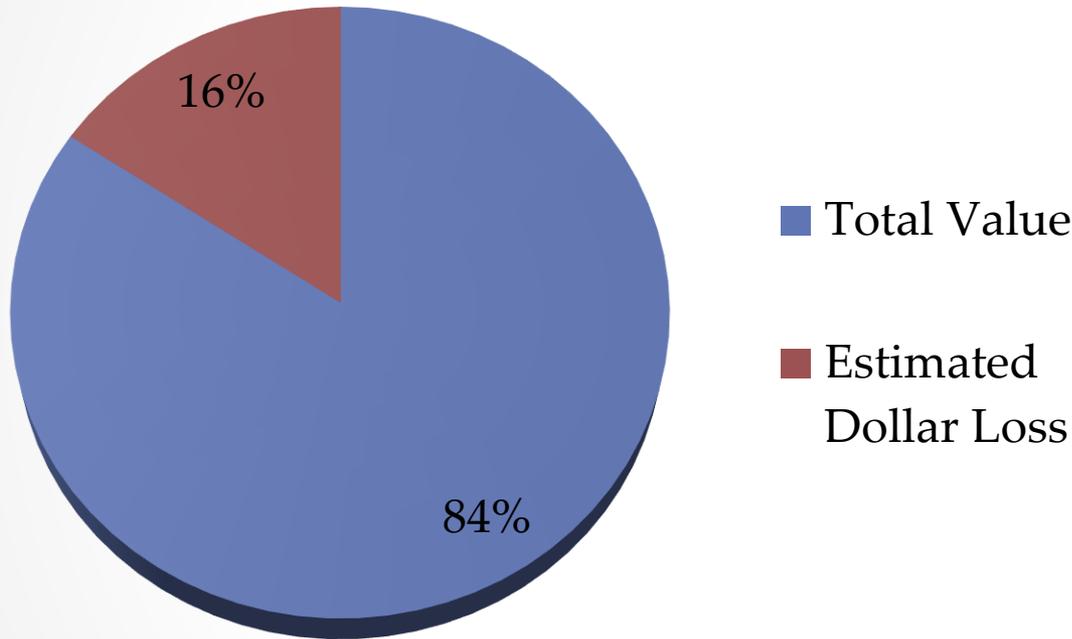
# General Information

- The Sterling Fire Department responded to a total of 1,360 calls in 2017.
- Break down by shift:
  - Shift 1- 424
  - Shift 2- 484
  - Shift 3- 452



## Estimated Value

# Sterling Fire Department 2017 Annual Report



Estimated Value of all properties involved with a fire in 2017 was:

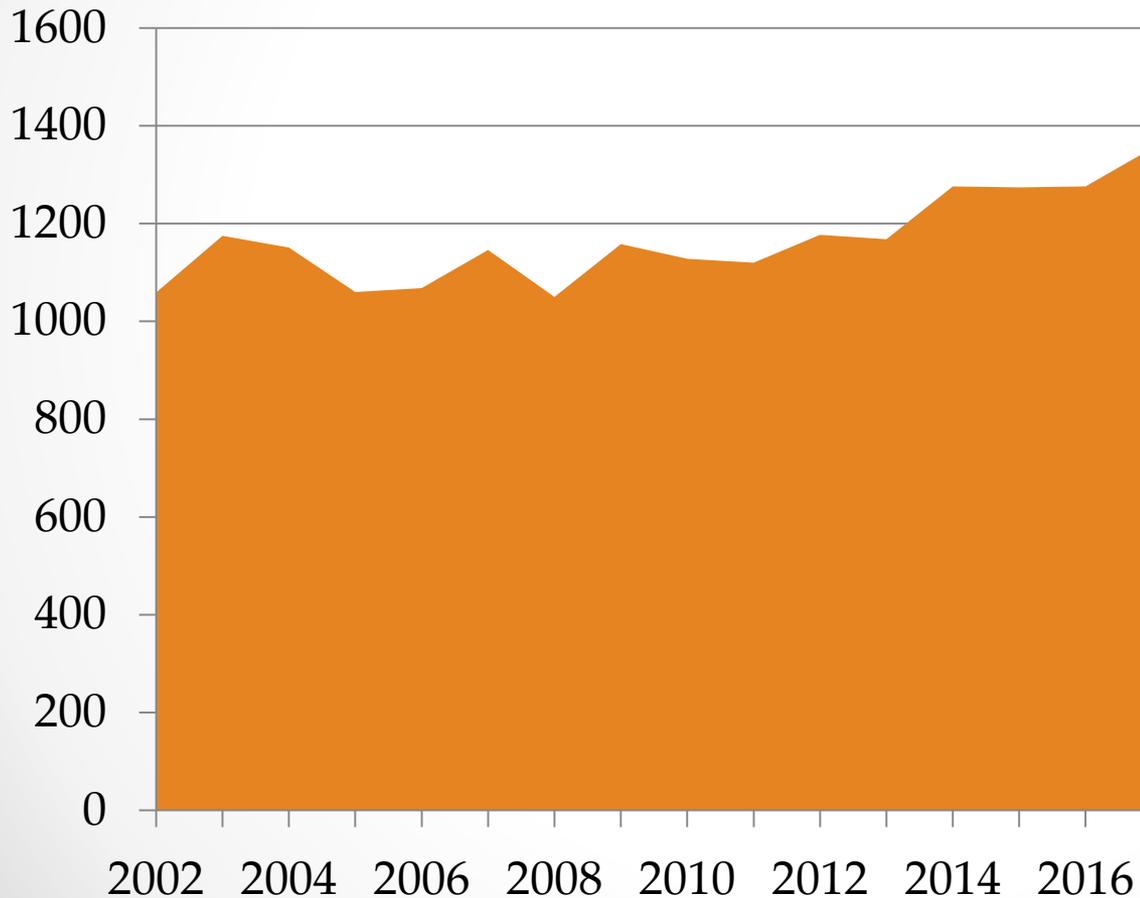
\$1,885,418

Estimated Loss- \$349,799

Estimated Saved-  
\$1,535,619

Total Percentage  
Saved – 84%

# Annual Responses by Year



As you can see the call volume has steadily increased over the past 15 years from 1059 in 2002 to 1360 in 2017. That is an increase of 22% in call volume in 15 years. In 1996 the department ran a total of 696 calls. In 20 years time the number of calls have doubled.

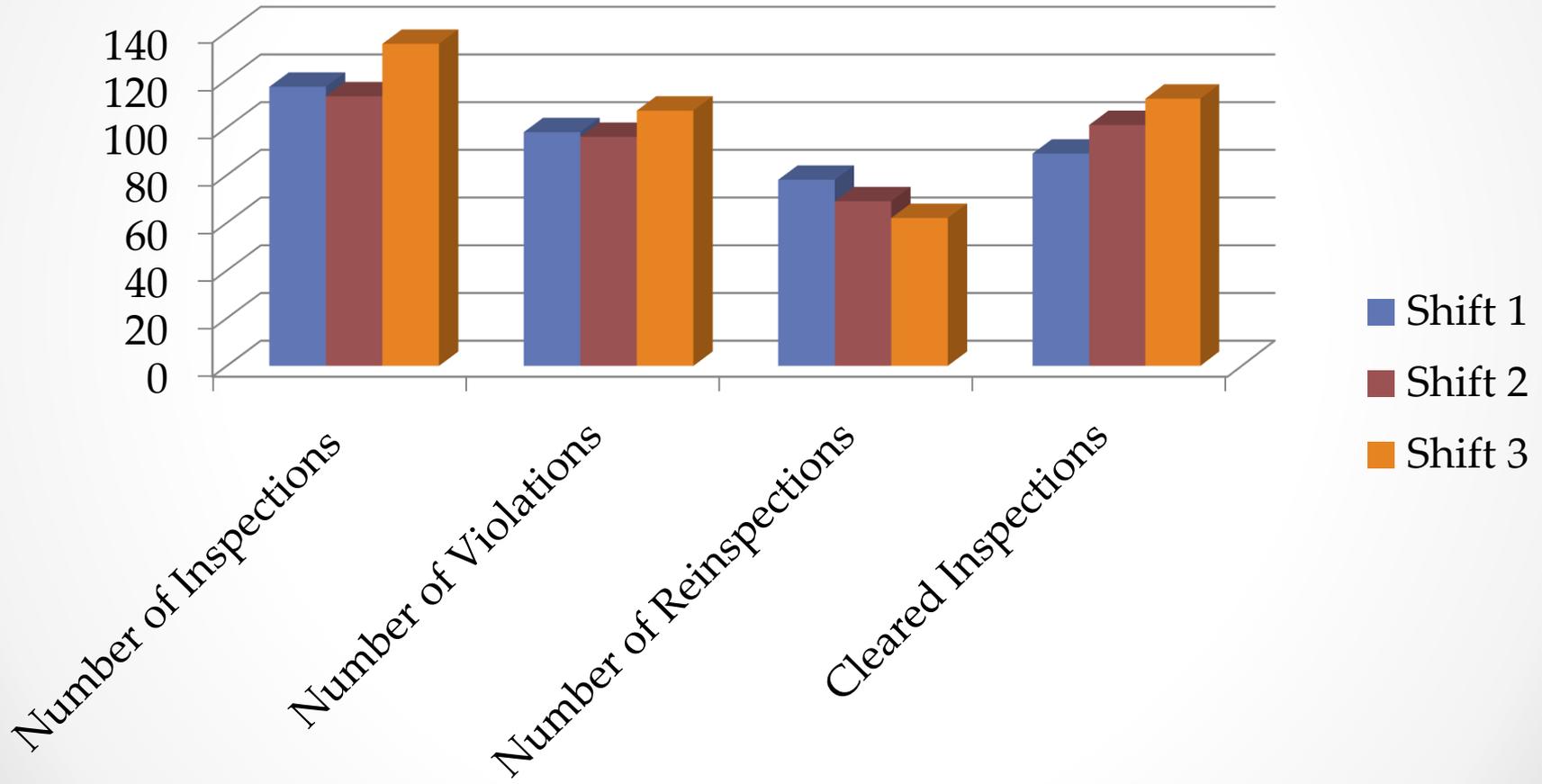
# Fire Inspections

- Over the course of the year the Sterling Fire Department inspected 398 commercial businesses. During those inspections 301 fire code violations were found and corrected. Business owners that do not correct violations may be obligated to attend an administrative hearing and pay a fine.
- Through the use of fire prevention measures we have reduced the risk of losing potential tax base and provided a safer environment for the citizens of Sterling.
- In addition to annual inspections we conducted 4 new occupancy inspections and 7 change of occupancy inspections. There were a total of 5,118 man hours spent conducting these commercial business inspections.

# Fire Inspections

	<u>2015</u>	<u>2016</u>	<u>2017</u>
○ Shift 1			
• Number of Inspections	109	90	117
• Number of Violations	140	85	98
• Number of Re-inspections	98	70	78
• Cleared Inspections	83	80	89
○ Shift 2			
• Number of Inspections	130	84	113
• Number of Violations	88	89	96
• Number of Re-inspections	72	47	69
• Cleared Inspections	61	75	101
○ Shift 3			
• Number of Inspections	117	86	135
• Number of Violations	110	101	107
• Number of Re-inspections	71	49	62
• Cleared Inspections	67	83	112

# Fire Inspections



# Fire Prevention Activities

- In 2017 we educated 299 Kindergarten age children in both the public and private schools of Sterling.
- We attended Movies in the Park, Taste of Fiesta, many street fairs, youth clubs. We presented fire extinguisher classes and various safety classes to local businesses and nursing homes. We held our Open house during the Christmas walk which had a wonderful turnout of over 200 people.

# Fire Prevention Activities

Sites and Sounds Christmas walk,



Educating kindergarten children in fire safety.

# Turn Out and Response Times

- The turn out time reflects the time of dispatch till the time apparatus go enroute. In 2017 the average turnout time for emergencies was 1:36 while the non emergency turnout time was 1:35. In 2016 the average turnout time was 1:50 for emergencies and 1:41 for non emergencies.
- The response time reflects the amount of time from initial dispatch to arriving on scene. In 2017 the average response time was 5:02 for emergencies and 5:19 for non emergencies. In 2016 the average response time was 5:08 minutes for emergencies and 5:31 for non emergencies.
- Therefore the average time from dispatch to arriving on scene for emergencies is 3:26 for non emergencies it is 3:44. The NFPA benchmark for this is 4 minutes.

# Turn Out and Response Times

Example: Vehicle Accident with Injuries

11<sup>th</sup> Ave & E. 3<sup>rd</sup> Street

Apparatus	Dispatch Time	Enroute Time	Arrival Time	Clear Time	Turnout Time	Response Time	Total Time	
DCN2	9:40:12	9:40:12	9:41:48	10:12:49		1:36:00	0:32:37	
E-1	9:38:06	9:40:38	9:43:09	9:56:28	2:32	5:03	18:22	
E-6	9:38	9:40:28	9:42:28	10:12:02	2:22	4:22	33:56:00	
FE41	9:38	9:40:39	9:44:57	9:53:49	2:33	6:51	15:43	
Med 1	9:38	9:39		10:12	1:17		33:56:00	
Med 3	9:38	9:41	9:44:35	10:15:24	3:24	6:29	37:18:00	

As you can see from the time we were dispatched at 09:38 the clock starts running and quits when the last piece of equipment clears the scene.

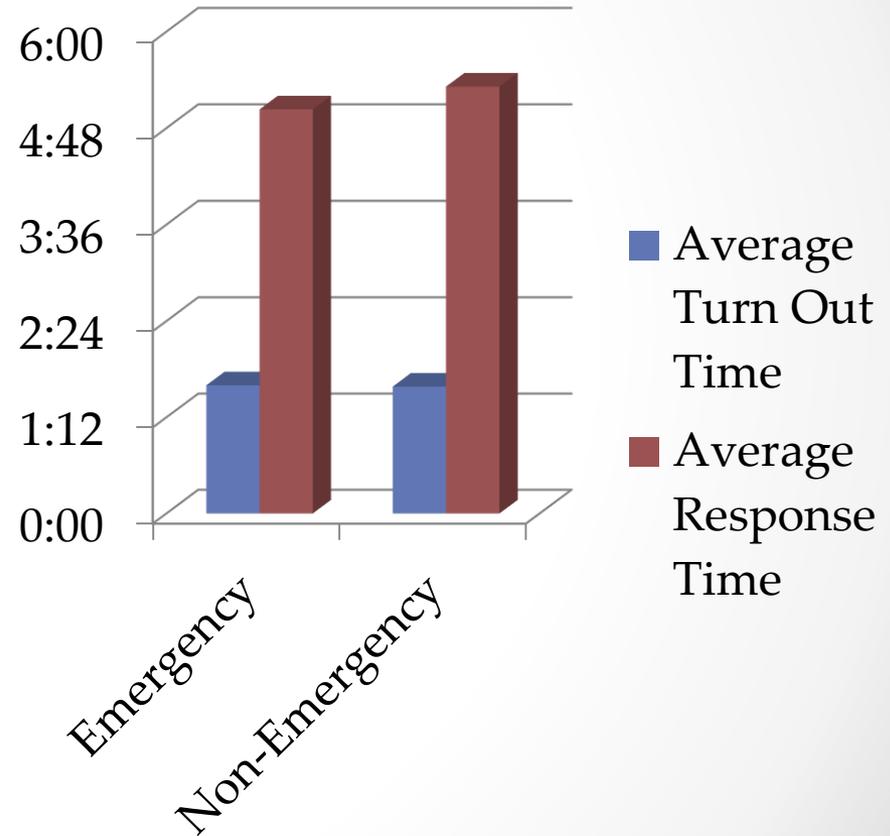
# Turn Out and Response Times

## Emergency

- Average Turn Out time-1:36
- Average Response Time- 5:02
- Average Total Time on call- 30:09

## Non-Emergency

- Average Turn Out time-1:35
- Average Response Time-5:19
- Average Total Time on call-19:45



# Turn Out and Response Times

- The total time is the average of all calls we have responded on, some calls are more involved and take much longer than others. Total time for emergencies was 30:09 and 19:45 for non emergencies.
- Total Man hours for all incidents:

Fire Related:      2016 – 1,311 hours  
                                 2017 – 1,452 hours

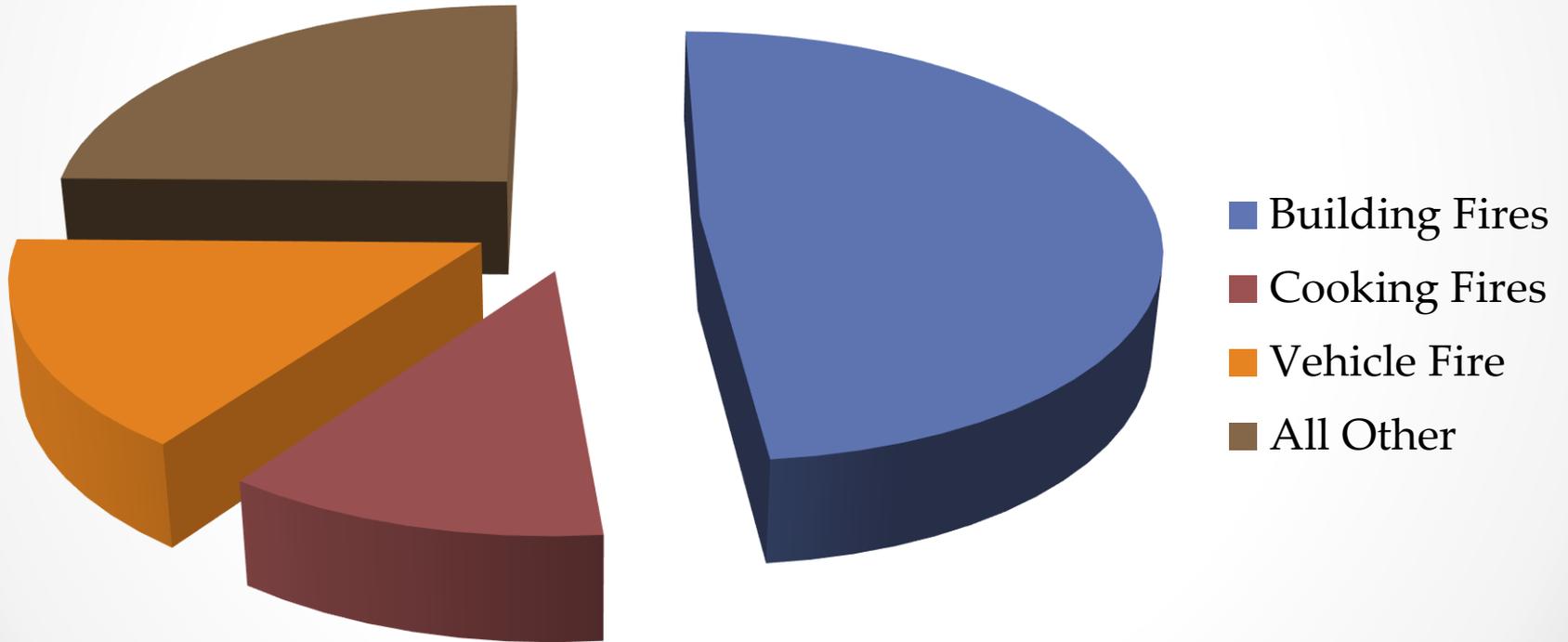
EMS Related:      2016 – 878 hours  
                                 2017 – 967 hours

# Total Calls by Incident Type (Fires)

- This was one of the busiest years for fires at Sterling Fire Department. There were a total of 47 structure fires and 50 “other” types of fires which include but are not limited to:
  - Cooking fires contained to the container
  - Vehicle Fires
  - Brush fires
  - Dumpster fires
  - Grass fires

# Total Calls by Incident Type (Fires)

Fires



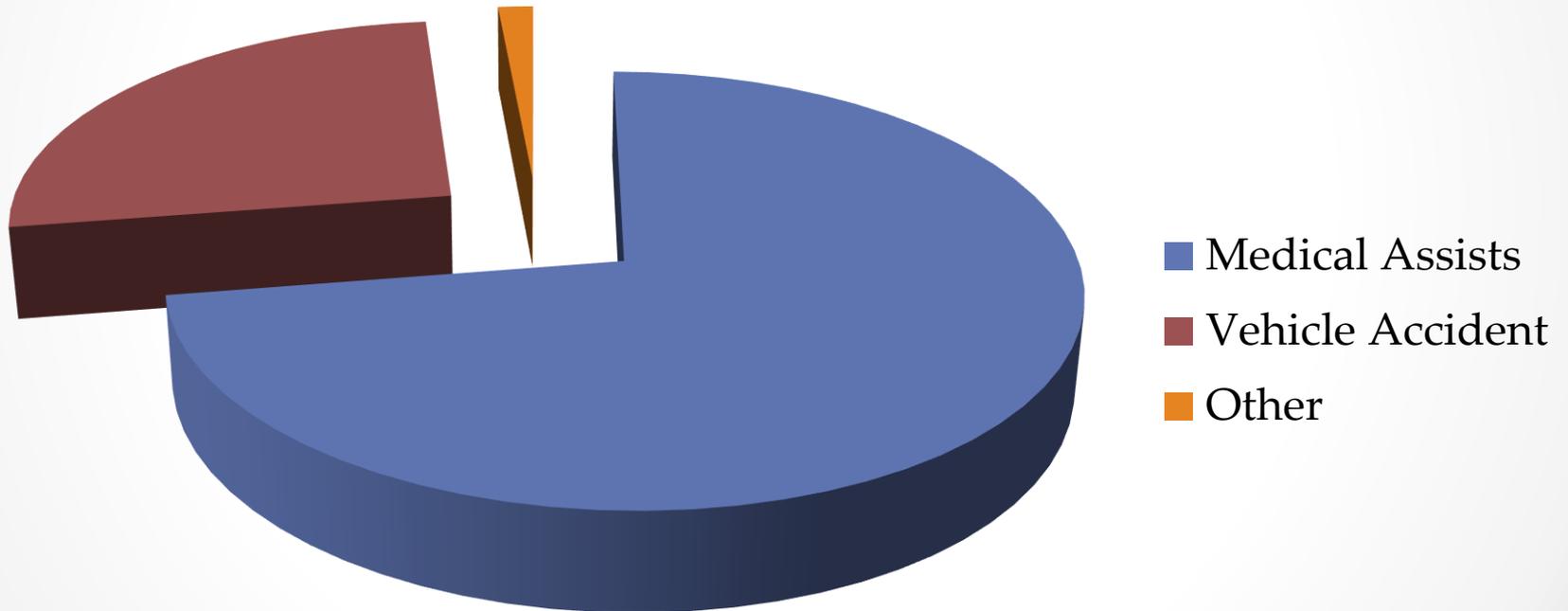
# Total Calls by Incident Type (EMS/Rescue)

- Not only does the Sterling Fire Department respond to fires we respond to a wide variety of emergency calls including motor vehicle accidents and Medical assists.
- In 2017 we responded to 615 calls for assistance. The following is a break down by type of incident:

	<u>2016</u>	<u>2017</u>
○ Medical Assist-	455	446
○ Vehicle Accidents-	144	155
○ Vehicle Accidents with Extrication-	2	5
○ Other(water rescues, search and rescues)	13	9

# Total Calls by Incident Type (EMS/Rescue)

EMS/Rescue



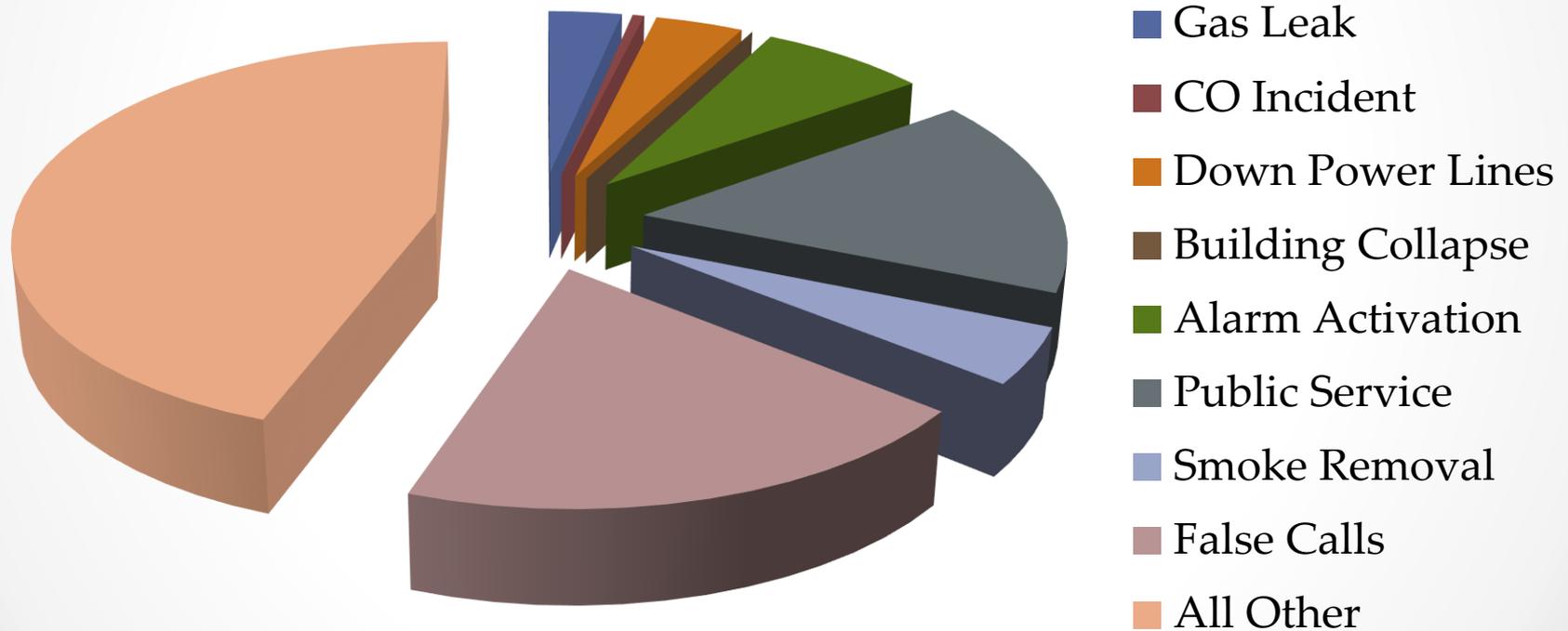
# Total Calls by Incident Type (All Other Calls)

- In 2017 we responded to 713 incidents where the public's need for service was not fire related.

	<u>2016</u>	<u>2017</u>
○ Gas Leak (Natural and Gasoline) -	26	25
○ Carbon Monoxide Incident-	1	4
○ Down Power Lines-	32	30
○ Building Collapse-	0	0
○ Alarm Activation-	57	57
○ Public Service or Assist-	101	125
○ Smoke/ Odor Removal-	35	35
○ False Calls-	86	151
○ All Others not Classified-	344	286

# Total Calls by Incident Type (All Other Calls)

All Other Calls



# Total Calls by District

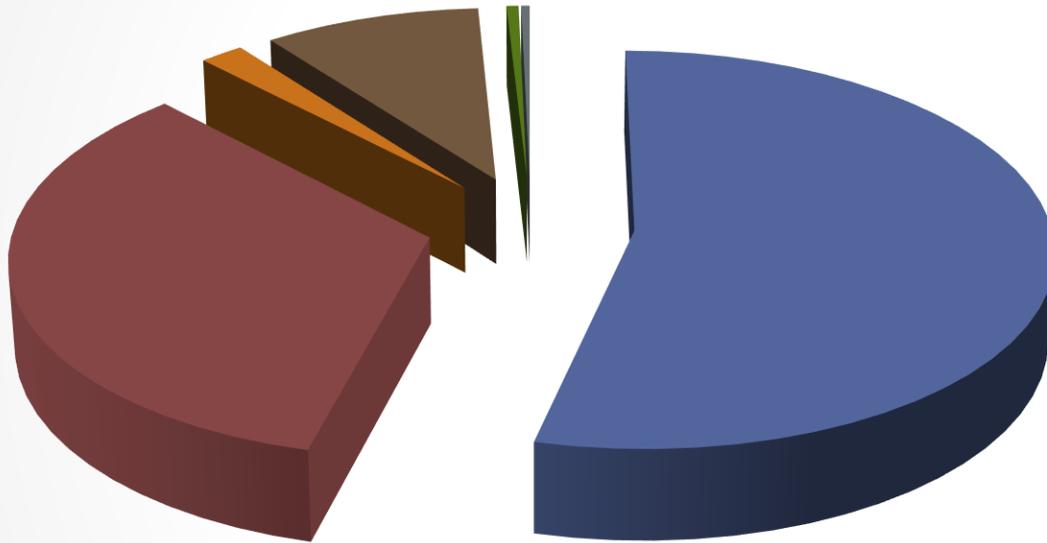
- Sterling Fire Department will often times go outside the jurisdiction to assist other departments with fires or emergencies. Total Runs by district is as follows:

	<u>2016</u>	<u>2017</u>
○ Sterling Main Station City & Rural -	655	729
○ Sterling Station 1 City & Rural-	450	459
○ Rock Falls / Main Station Response-	35	26*
○ Rock Falls / Main and Station 1-	117	127*
○ Dixon Rural & Dixon City-	6	7
○ Other-	5	9

\*Note the number of calls where Sterling Fire responded to Rock Falls for either Mutual aid or Automatic aid. Coverage of both cities by either department is a step to providing the citizens a better quality service.

# Total Calls by District

- Main Station City & Rural
- Station 1 City & Rural
- Rock Falls Main Response
- Rock Falls Both Stations
- Dixon Rural/ City
- Others



# Sterling Rural Fire Protection District

- This year we responded to **210** calls for assistance outside the city limits. These incidents varied from citizen assists to working structure fires. The Sterling Fire Department Main Station responded to **127** of these calls while Station 1 responded to **83**.



# Department Training

- In 2017 the Sterling Fire Department trained on various fire service and EMS topics, including but not limited to, Pump Operations, Aerial Operations, Building Construction, Hazardous Materials, Ground Ladders, Ropes and Knots.
- Emergency medical training was held on a monthly basis with Rock Falls Fire Department. These classes are held both at Sterling Fire and Rock Falls Fire Departments and are required to maintain EMT basic licenses for the firefighters. Both Departments train together over various fire related subjects as well, this ensures that everyone will be on the same page when it comes to an emergency.
- The following is a break down of Training hours for each department member. Many members chose to attend the Fire Officer Classes as well as specialty rescue classes held throughout the State.



# Department Training

	2016	2017
Deputy Chief Dettman	70 Hours	68 Hours
*Captain Williamson	208 Hours	223 Hours
*Lt. Mackey	112 Hours	144 Hours
*FF Bianchi	69 Hours	196 Hours
*FF Heeren	256 Hours	202 Hours
*FF M. Liedberg	72 Hours	298 Hours
*FF Landis	91 Hours	250 Hours
Captain Billeb -	112 Hours	153 Hours
*Lt. Meyers-	104 Hours	82.5 Hours
*FF Ramos-	33 Hours	129.5 Hours
*FF C. Liedberg-	85.5 Hours	188.5 Hours
*FF Morris-	62 Hours	190.5 Hours
*FF Rodgers-	275 Hours	216 Hours
*Captain Laughlin	101 Hours	332 Hours
*Lt. Wright	152 Hours	129.5 Hours
*FF Avelar	69 Hours	256 Hours
*FF Vlakancic	68 Hours	269 Hours
*FF Sheaves	137Hours	338.5 Hours
*FF Latvaitis (Probationary Firefighter)	137 Hours	321 Hours
<u>Paid on Call Firefighters</u>		
Nicholas Hammer	49.5 Hours	97 Hours
James O'Brien	53.5 Hours	103 Hours
Tanner Seidel	18 Hours	13.5 Hours
Preston Zigler	4.5 Hours	18.5 Hours

\* Certified EMT/Basics

# Department Training



We had several firefighters continue their education and become certified Advanced Firefighters. This process is about 150 hours of training and it develops them into a more seasoned & knowledgeable firefighter. Also a number of the officers as well as the senior firefighters went on to complete the Fire Officer 1 certification with the State of Illinois.



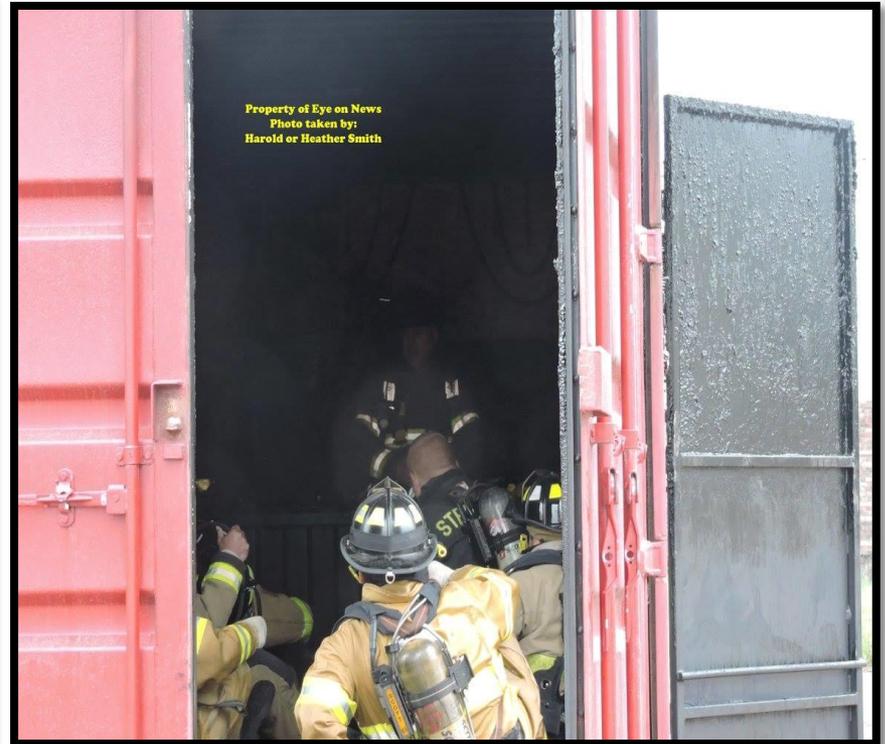
# Department Training

Training in 2017



# Department Training

Training in 2017



# Various Incidents of 2017

Structure Fire 1803 East  
LeFevre

Structure Fire 2200 Sunset  
Drive Rock Falls



# Various Incidents of 2017

Structure Fire 1109 Ave L

Sterling



# Various Incidents of 2017

## Cimco Recycling



# Various Incidents of 2017

## Structure Fire-Amboy



# Various Incidents of 2017

Motor Vehicle Accident

Rt. 30 Rock Falls



# Various Incidents of 2017

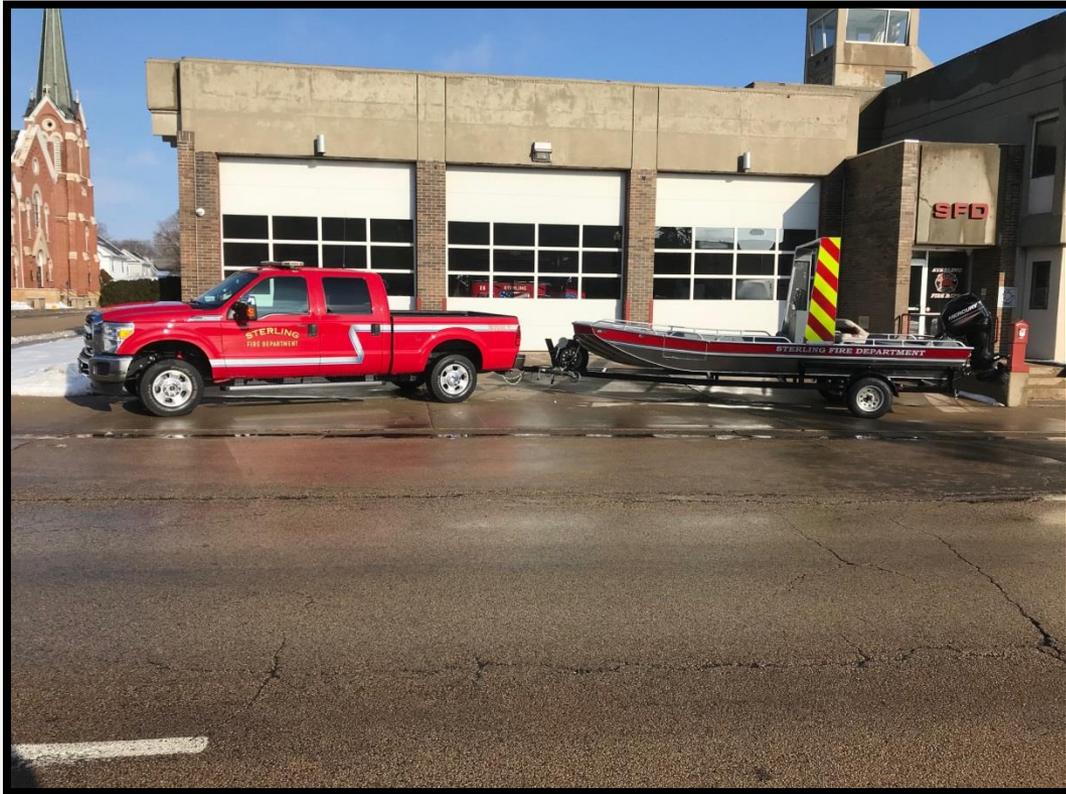
## Motor Vehicle Accident

I-88

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# New Boat!



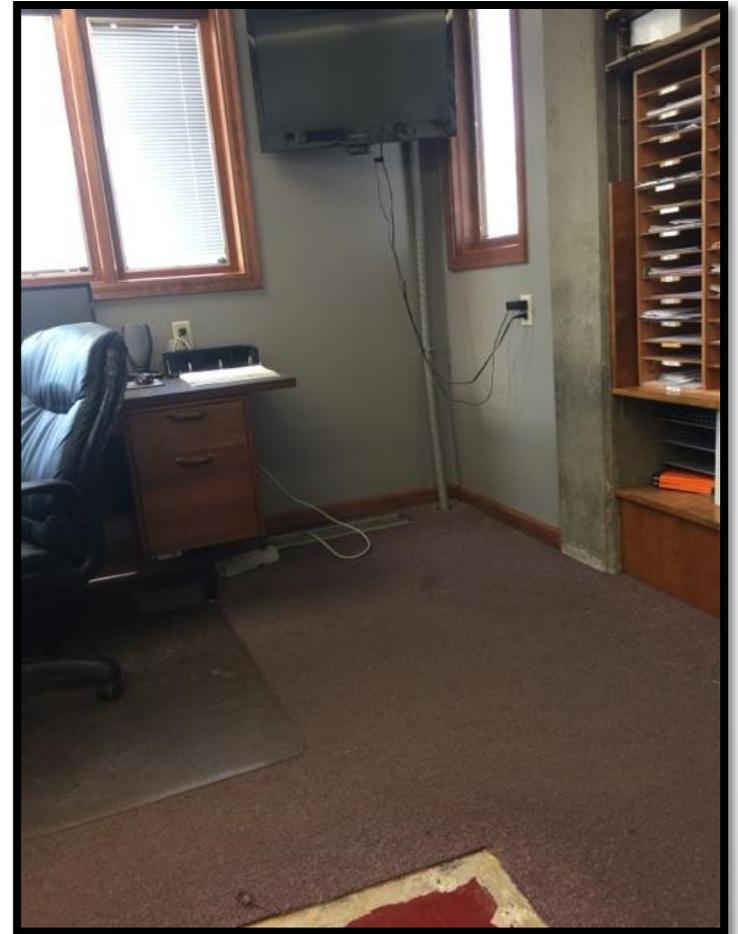
This fall we were able to purchase a 19' Clark boat. This boat was made in Bellevue Iowa, it has a 60 HP Mercury Engine, a Starboard side dive door to assist in retrieving people from the water. It will be outfitted with a variety of lights for night searches and assists and a side scan sonar to help us navigate waterways as well as recover victims.

# New 19' Clark Rescue Boat





# Office Remodel



# Office Remodel

Finished Product



# Office Remodel



- With the remodel it allows an enhanced, more professional interaction with the public.

# Summary

- 2017 has been a great year for the members of the Sterling Fire Department. The increase in training as well as the upgrades in equipment has gotten us closer than ever to being the department we strive to be, that is one of pride, dedication and professionalism.