



RUSSELLVILLE FIRE DEPARTMENT

ANNUAL REPORT 2011

HON. BILL EATON,
Mayor of Russellville,

YOUR HONOR:

I present to you the 2011 Annual Report of the Russellville Fire Department. The report provides an overview of the Department including its mission, scope of services, and a review of the year's activities.

Our firefighters continue to demonstrate a level of dedication to their profession and to those they serve, the citizens of Russellville. Throughout the year they demonstrated an ability to expand their expertise in the areas of fire prevention and suppression, delivery of emergency medical care, technical rescue, and hazardous materials. Every member of the Department must retain a minimum level of knowledge, skills, and abilities that offer our citizens the best level of service available while working within the confines of a limited budgetary environment.

Throughout the year members used their skills during a variety of emergency and non-emergency conditions, all the while presenting an ability to serve the public in the most proficient way. This being said, in the following year the Department will continue to identify additional opportunities to further expand its role in serving the citizens of Russellville in the most efficient and effective way.

Respectively submitted,

John L. Cochran
Chief of Department



MISSION STATEMENT



The Russellville Fire Department exists to enhance the quality of life in Russellville by minimizing the devastating effects of fires, medical emergencies, and disasters.



DEPARTMENT HISTORY

Organized: 1905. The Russellville Fire Department was organized in 1905 when the town fathers authorized the creation of a volunteer department along with the purchase of various firefighting equipment made up of a hand operated engine, hook and ladder truck, fire hose, and an assortment of related equipment .

An Evolving Organization. As the small community grew so did the department. For the first 60 years of its existence the department remained an all volunteer force. It wasn't until 1967 that the community identified a need to augment the volunteer force with paid drivers. For the next 40 plus years the department gradually evolved from an all volunteer department to the one today that is comprised of an all career force serving from four fire stations.



Volunteer Firefighters, circa 1954

Department Highlights:

1905 – first organized 1905 as a volunteer department

1906 – major fire destroys most of general business district

1915 – first motorized apparatus placed in service – American LaFrance fire engine

1925 – second ALF engine placed in service

1927 – department moves into first permanent quarters

1946 – volunteer fireman Frank Dodd killed in line of duty

1967 – first career firefighters appointed

1979 – first career fire chief appointed

1981 – fire station 2 opens

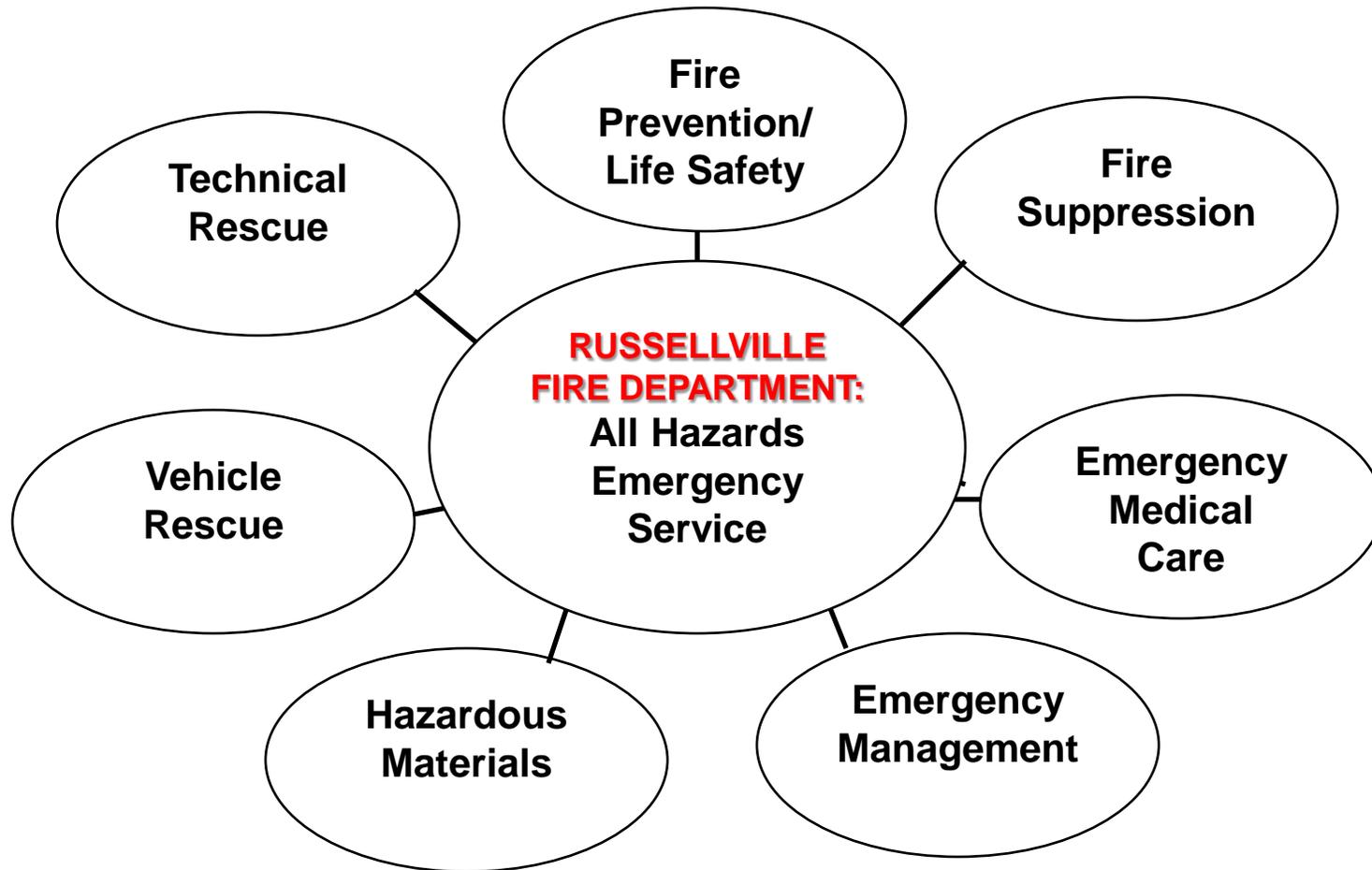
1990s – department transitions into all career department

1992 – fire stations 3 and 4 open

1993 – department begins augmenting emergency medical calls

2002 – department begins providing hazardous materials response

SCOPE OF SERVICES



SCOPE OF SERVICES

Fire Prevention/Life Safety.

The Department mitigates fire and related hazards through a series of prevention related services that as a whole serve to reduce fire and related hazards within the community.

- Fire Inspections
- New Construction Plans Review
- Public Education



SCOPE OF SERVICES

Fire Suppression.

Fire related emergency responses cover a variety of hazards including:

- Buildings
- Brush/Grass
- Vehicle
- Mobile properties
- Aircraft



SCOPE OF SERVICES

Emergency Medical Care.

The Department augments Pope County EMS for all “life threatening” medical related emergencies within the city through the “First Responder” program. The program consists of two levels of service:

Basic Life Support (BLS) at the Emergency Medical Technician (EMT) level. At a minimum, all members of the Department must retain EMT certification as a condition of employment.

Advanced Life Support (ALS). Approximately one third of the Department are licensed as Paramedics.

The Department delivers the First Responder Program by dispatching the closest fire station in conjunction with an ALS ambulance from Pope County EMS.



SCOPE OF SERVICES

Technical Rescue.

The Department serves as local industry's provider for rescue services in unique conditions. This includes trapped workers in below grade confined spaces such as sewer systems or elevated locations such as elevated structures, river bluffs, or rock quarries.



SCOPE OF SERVICES

Vehicle and Industrial Rescue.

In conjunction with its emergency medical services, the Department provides extrication services at vehicle and industrial accidents.

Every engine company in the city is equipped with an assortment of extrication tools including hydraulic spreaders know universally as the ‘Jaws of Life.’”



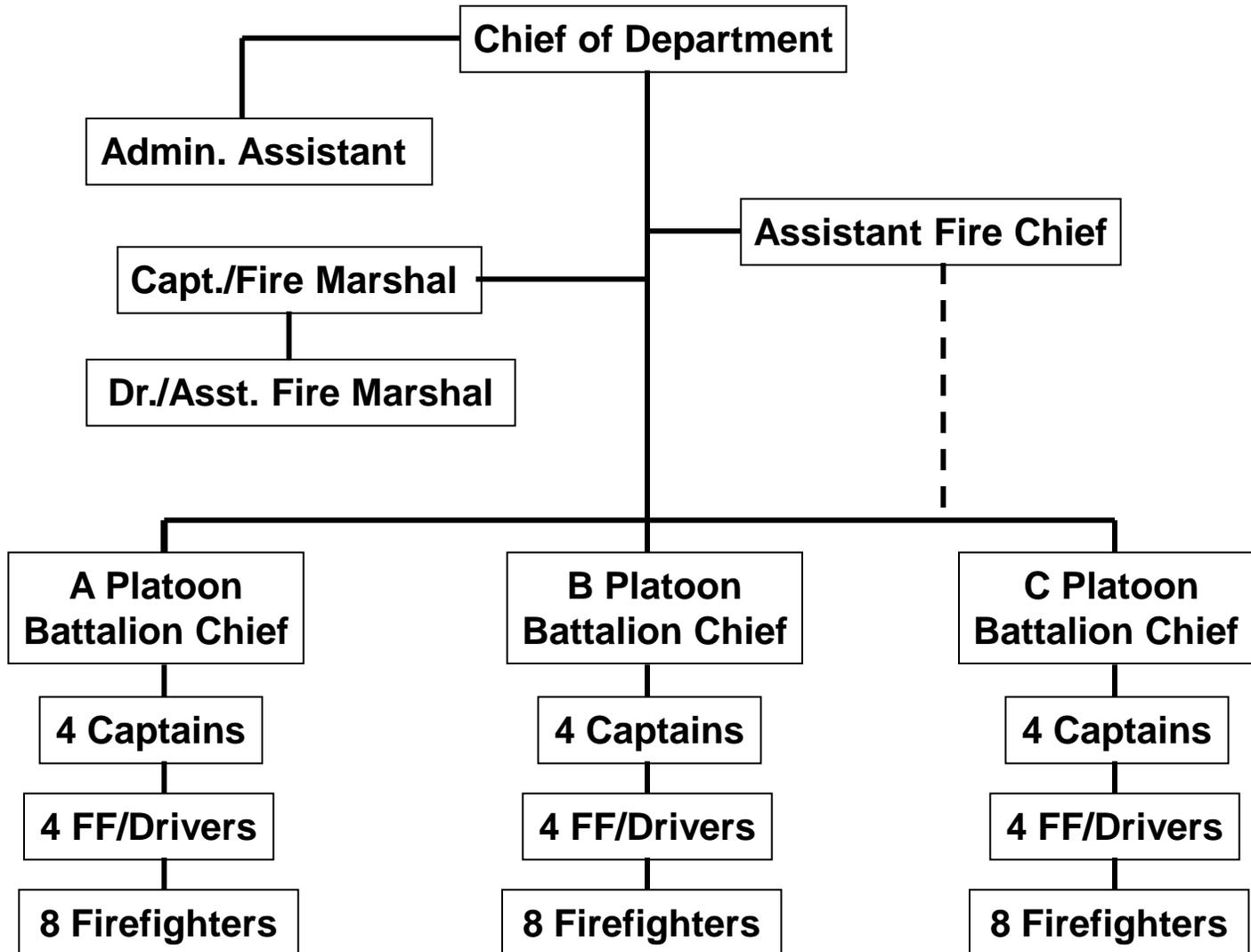
Hazardous Material Response.

The Department serves as the primary responder HazMat spills for not only our city, but Pope and the five adjoining counties.

The services provided are highly technical in nature with approximately one third of the Department being certified at the “Technician” level.



ORGANIZATION



ROSTER

Chief of Department
JOHN L. COCHRAN

Assistant Fire Chief/Training Officer
DOUG LEWIS

Fire Marshal
CAPTAIN RICHARD SETIAN

Assistant Fire Marshal
LEE WEATHERALL

Operations/Support
DRIVER BRIAN MOORHOUSE

Administrative Assistant
CATHY JOHNSON

A PLATOON

Battalion Chief, BRENT HAMM

ENGINE & TRUCK Co. 1
Captain, S. Smart
Firefighter/Dr., M. Signor
Firefighter/Dr., T. Wagner
Firefighter, C. Vick
Firefighter, A. White
Firefighter, K. Davis
Firefighter, J. McConnell

ENGINE Co. 2
Captain, T. Chamberlin
Firefighter/Dr., G. Widner
Firefighter, L. Knight

ENGINE Co. 3
Captain, C. Chappell
Firefighter/Dr., M. Loyd
Firefighter, J. Pitts

ENGINE Co. 4
Captain, B. Moix
Firefighter/Dr., J. Wilmoth
Firefighter, T. Sigle

B PLATOON

Battalion Chief, KIRK SLONE

ENGINE & TRUCK Co. 1
Captain, K. McBryde
Firefighter/Dr., M. Mitchell
Firefighter/Dr., M. Morton
Firefighter, J. Patterson
Firefighter, J. Terrell
Firefighter, W. Mashburn
Firefighter, J. Weaver

ENGINE Co. 2
Captain, D. Roe
Firefighter/Dr., J. Davis
Firefighter, M. Rinke

ENGINE Co. 3
Captain, P. Pestel
Firefighter/Dr., J. Moore
Firefighter S. Pannell

ENGINE Co. 4
Captain, D. Taylor
Firefighter/Dr., T. Goates
Firefighter, A. Meier

C PLATOON

Battalion Chief, AARON PETTY

ENGINE & TRUCK Co. 1
Captain, K. Griffin
Firefighter/Dr., R. Paul
Firefighter/Dr., B. Barnhouse
Firefighter, B. Noland
Firefighter, J. Smith
Firefighter, D. Davis
Firefighter, J. Browning

ENGINE Co. 2
Captain, R. Chandler
Firefighter/Dr., G. Sutterfield
Firefighter, C. Chronister

ENGINE Co. 3
Captain, J. Threlkeld
Firefighter/Dr., J. Pipes
Firefighter, D. Metz

ENGINE Co. 4
Captain, B. Aylesworth
Firefighter/Dr., J. Isaac
Firefighter, O. Picton

RUSSELLVILLE FIRE STATION DISTRIBUTION

Central Fire Station

203 W. 2nd Street

Area served: Central city and back up to other stations.

Houses: Administrative Offices, Battalion 1, Engine and Truck Co. 1, Rescue 1

Station 2

109 Hill Top Drive

Area Served: Western section of city including Norristown Mountain.

Houses: Engine Co. 2 and Reserve Engine 5 , Squad 1

Station 3

1920 N. Arkansas Avenue

Area Served: Northern section of city including Arkansas Tech University

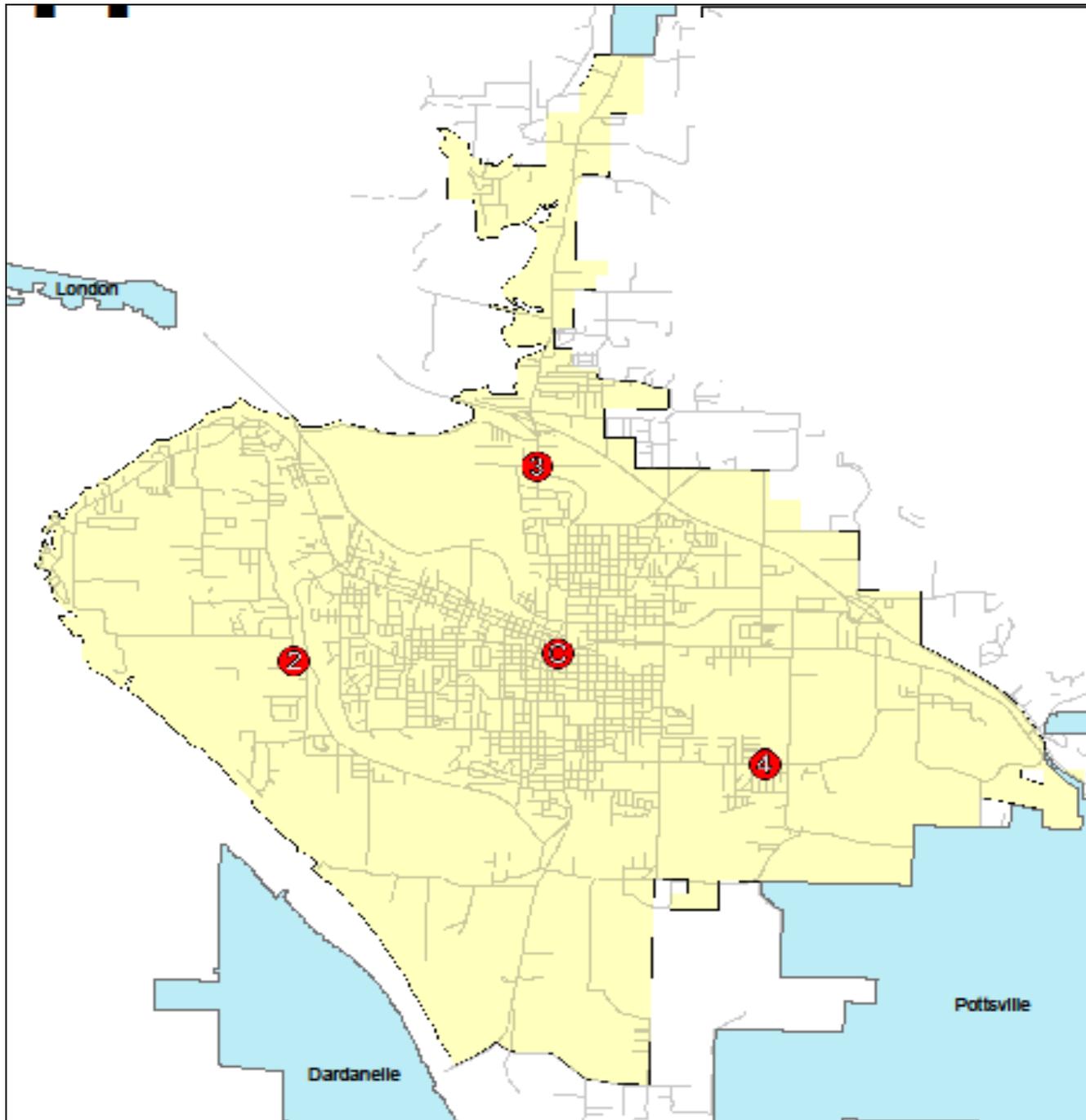
Houses: Engine Co. 3 and Hazmat 1, Support 1

Station 4

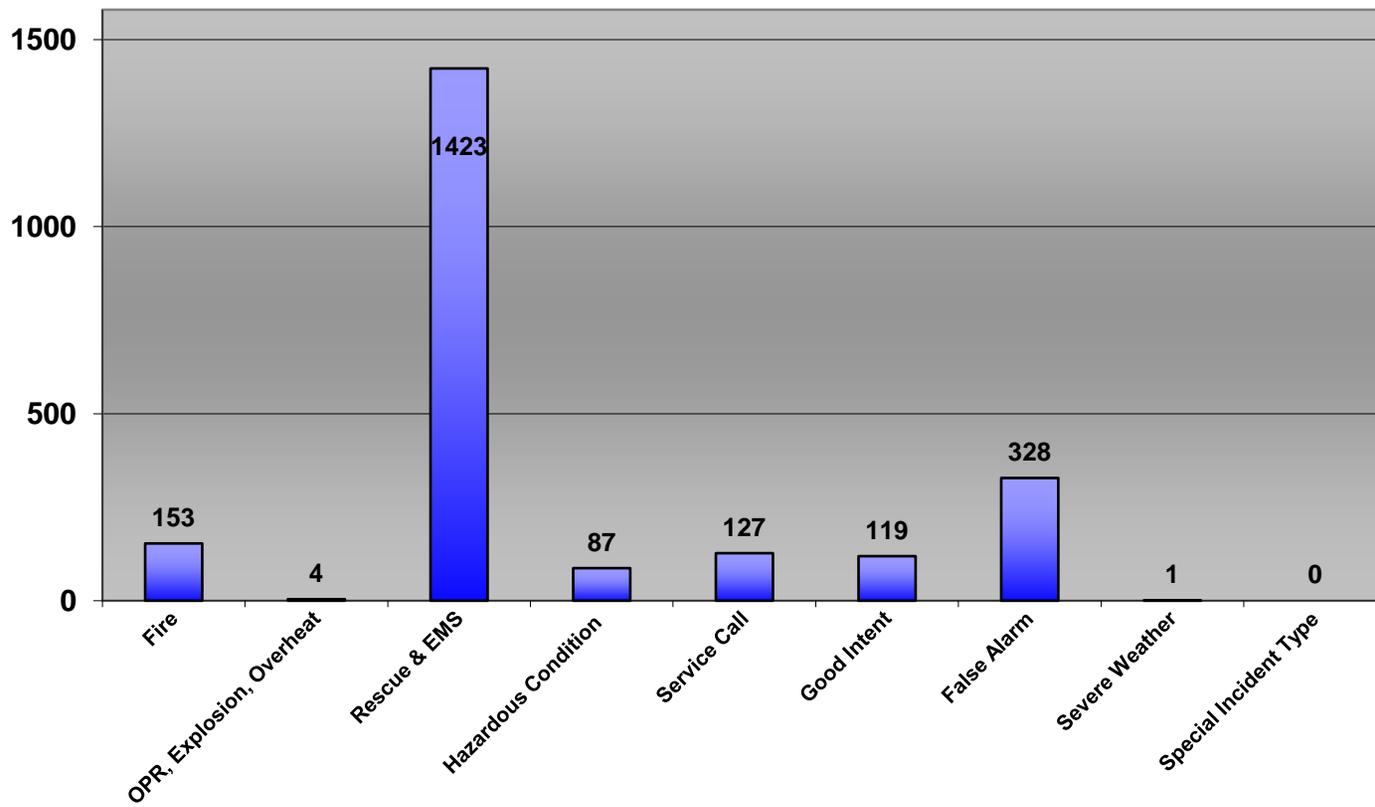
2316 E. 16th Street

Area Served: Southeastern section city including industrial park.

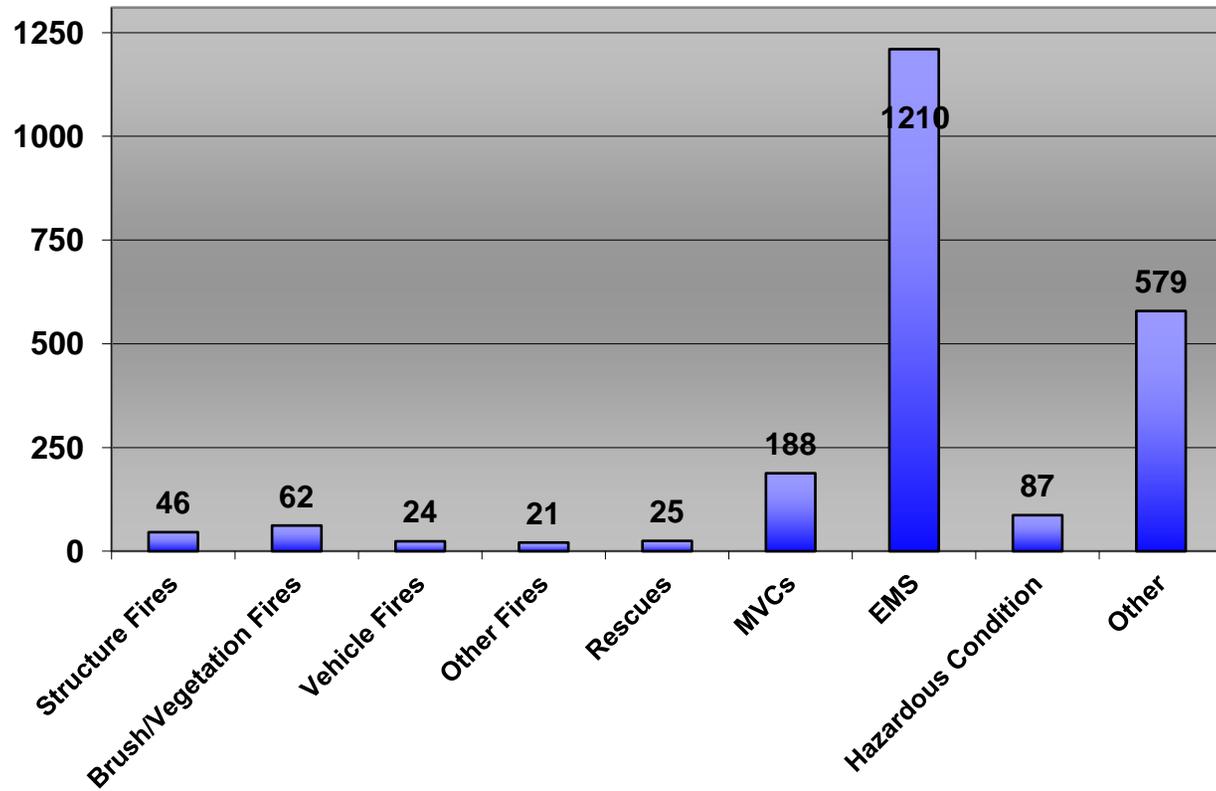
Houses: Engine Co. 4 and Reserve Engine 6 , Brush 1



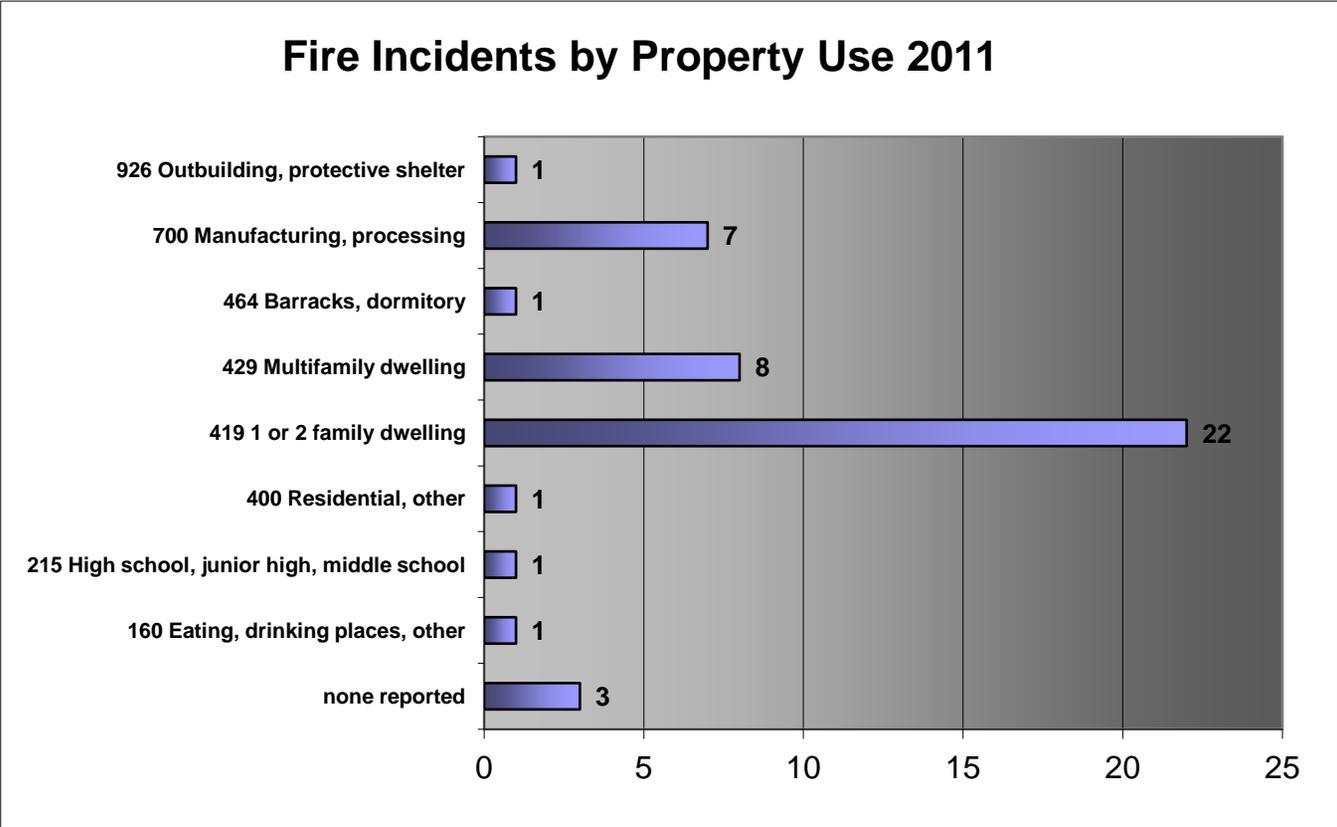
2011 NFIRS Incident Reporting - Total 2242



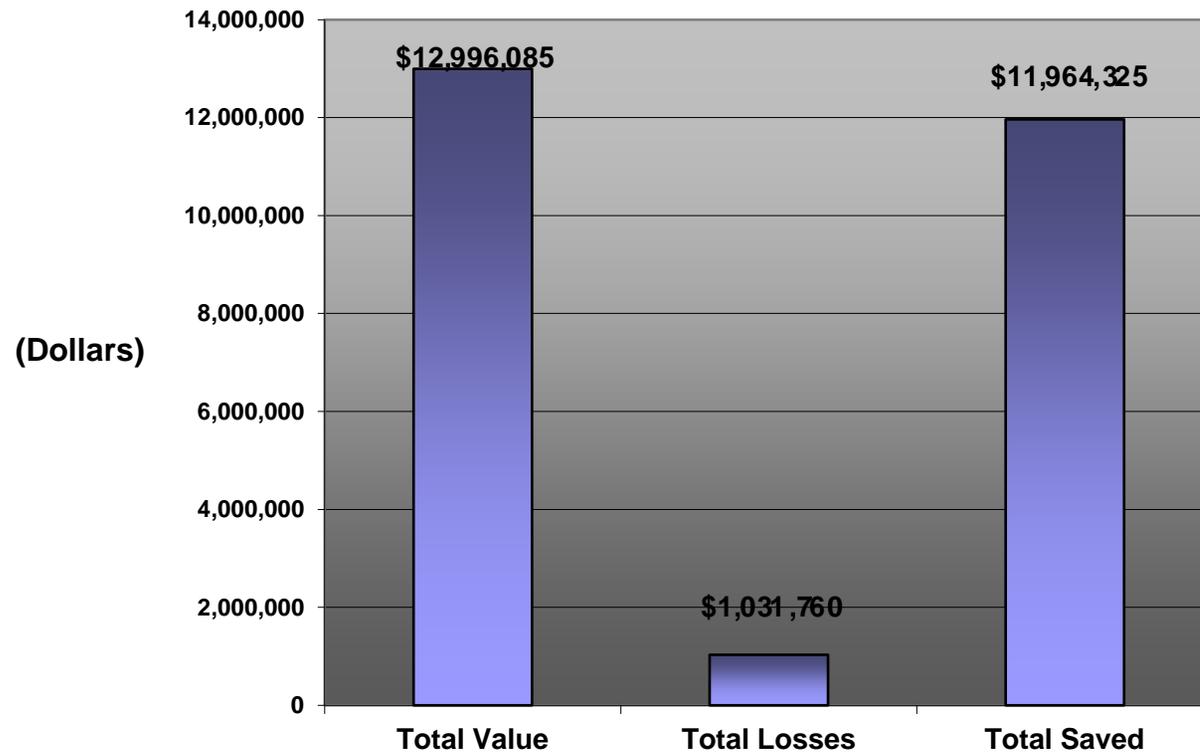
Calls For Service 2011 - Total 2242

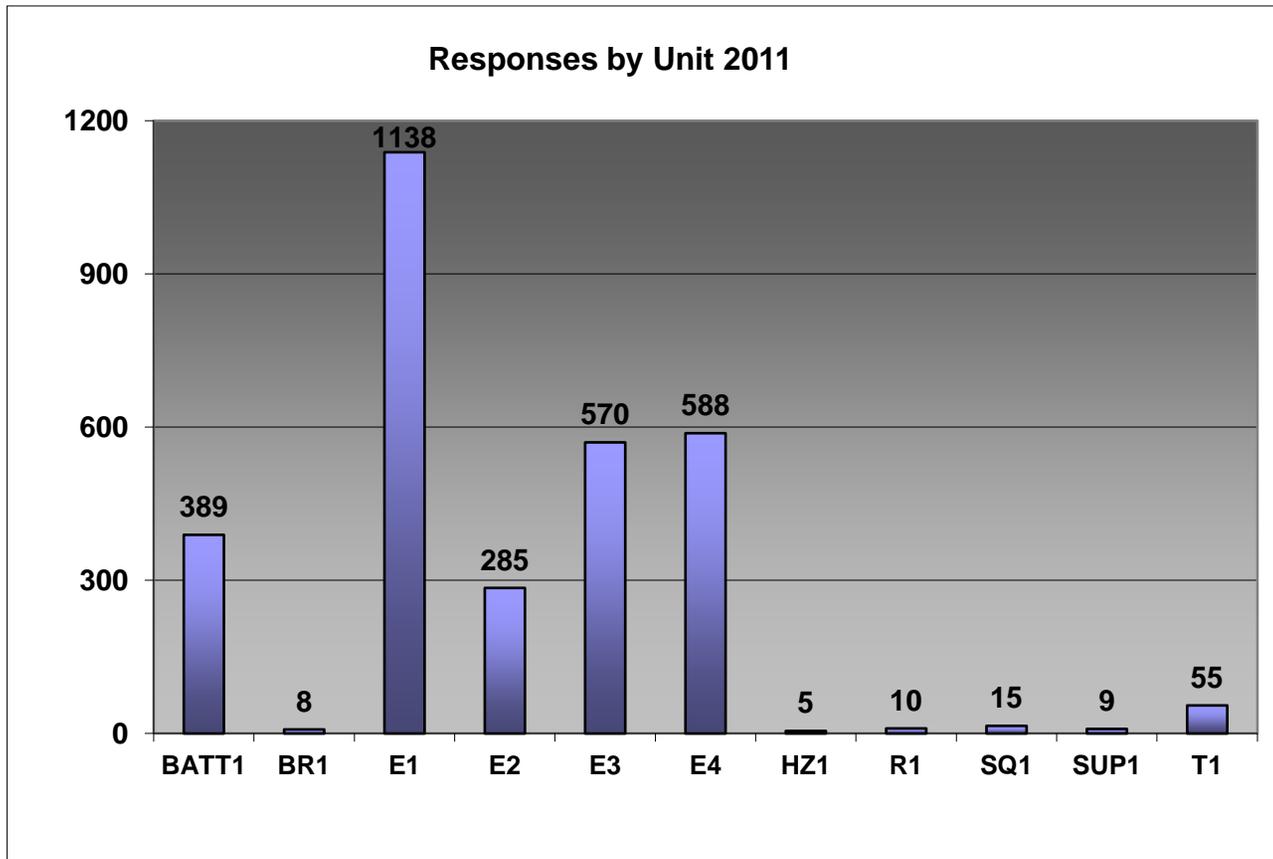


Fire Incidents by Property Use 2011

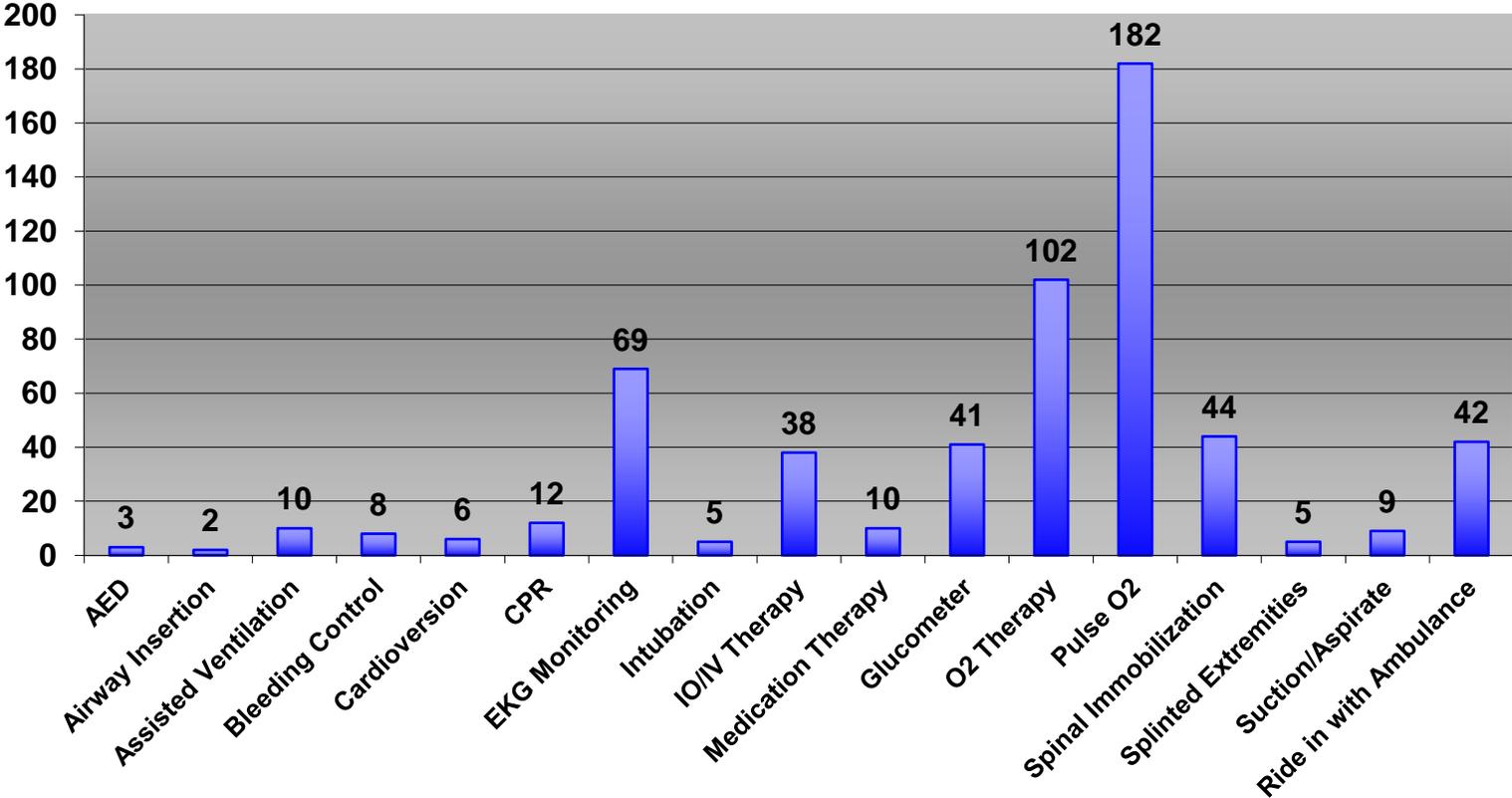


2011 Property Value Saved & Loss Analysis (Fire Threat Ratio)

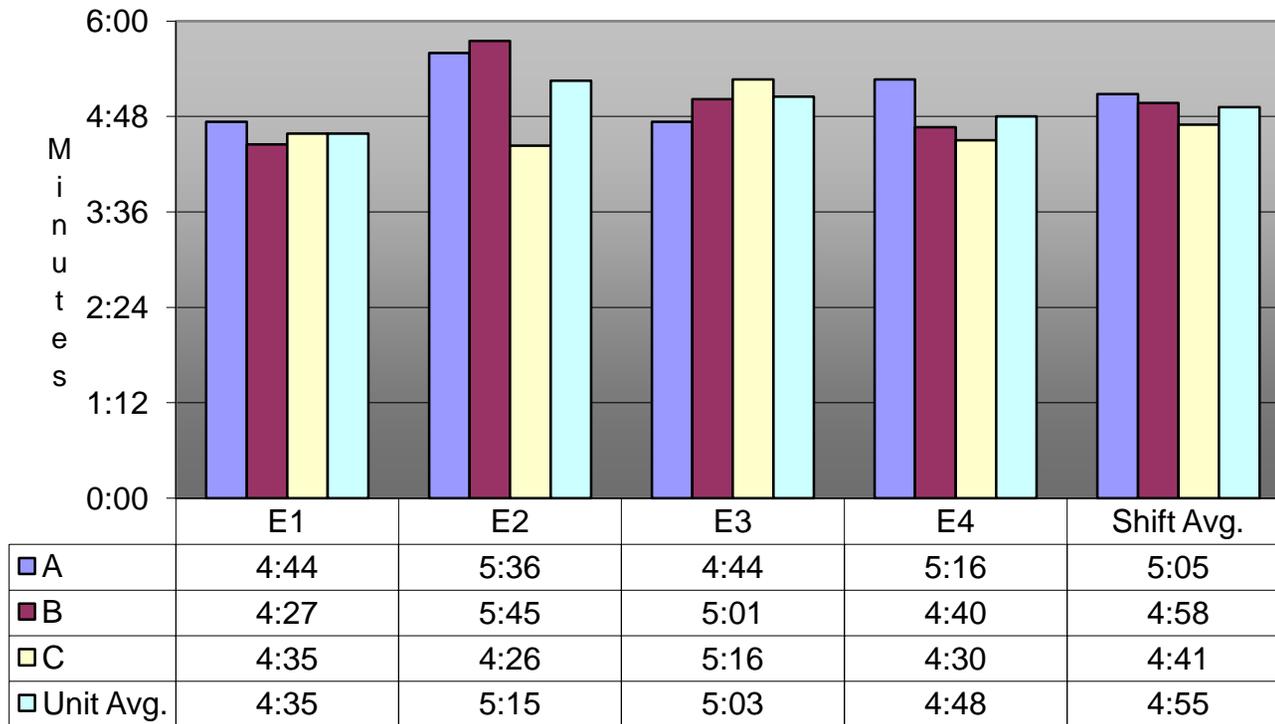




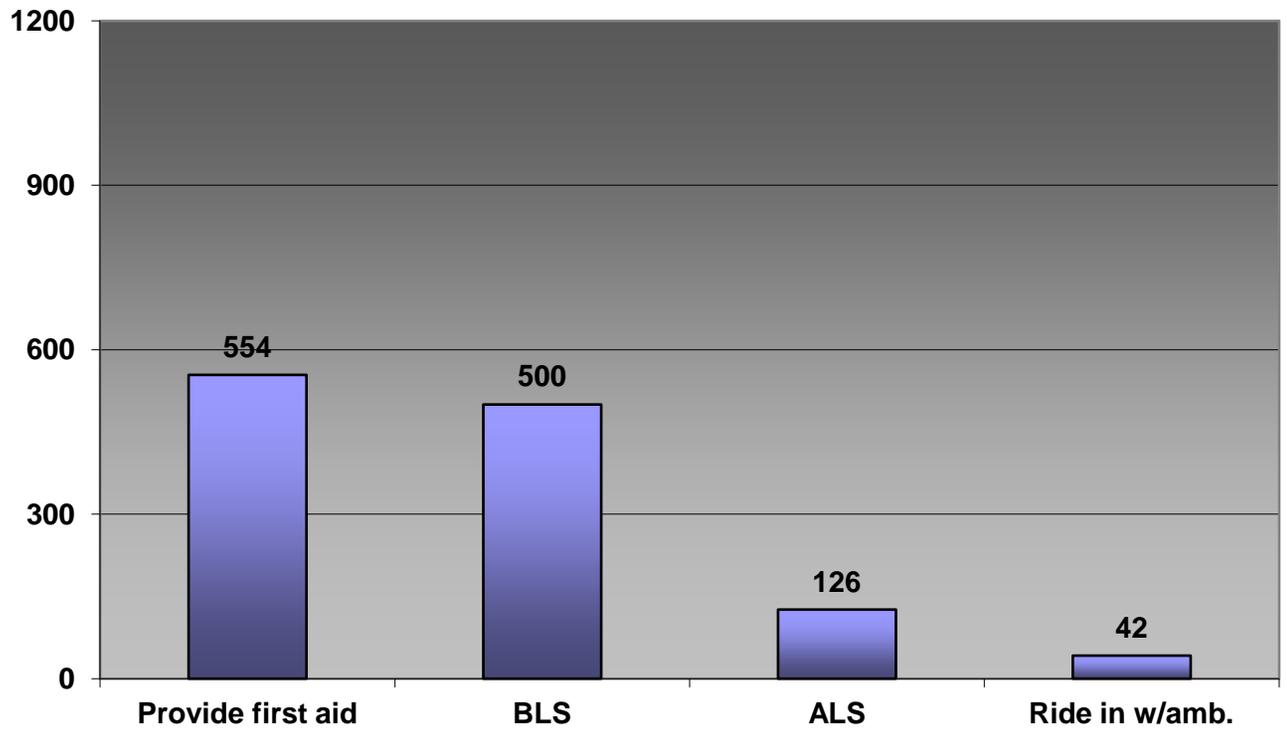
2011 Life Support Procedures



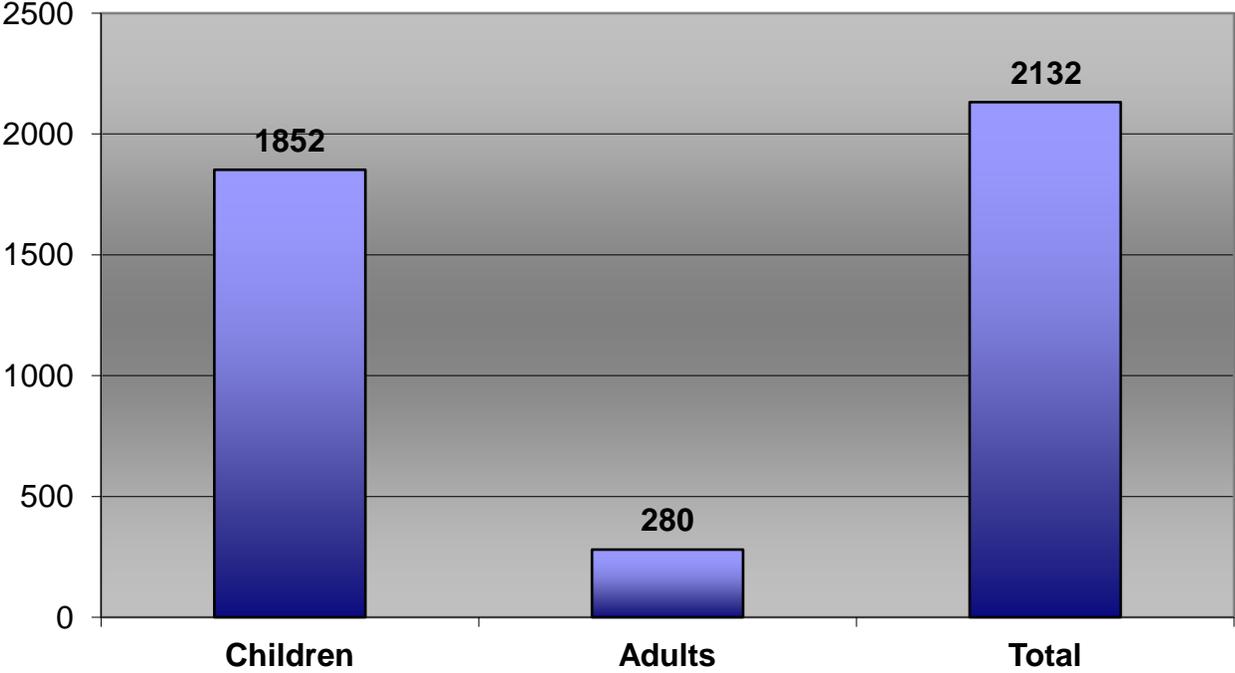
2011 Avg. Response Time of First Due (4:55)



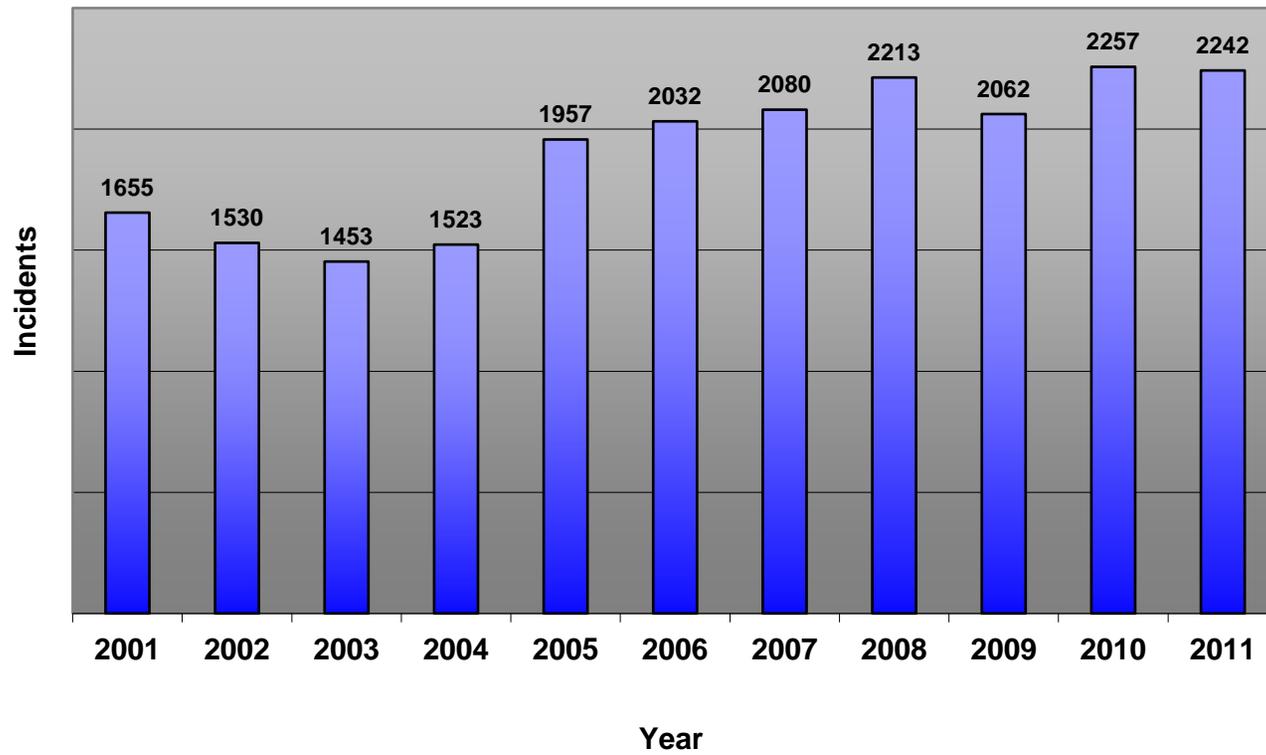
2011 EMS Actions Taken



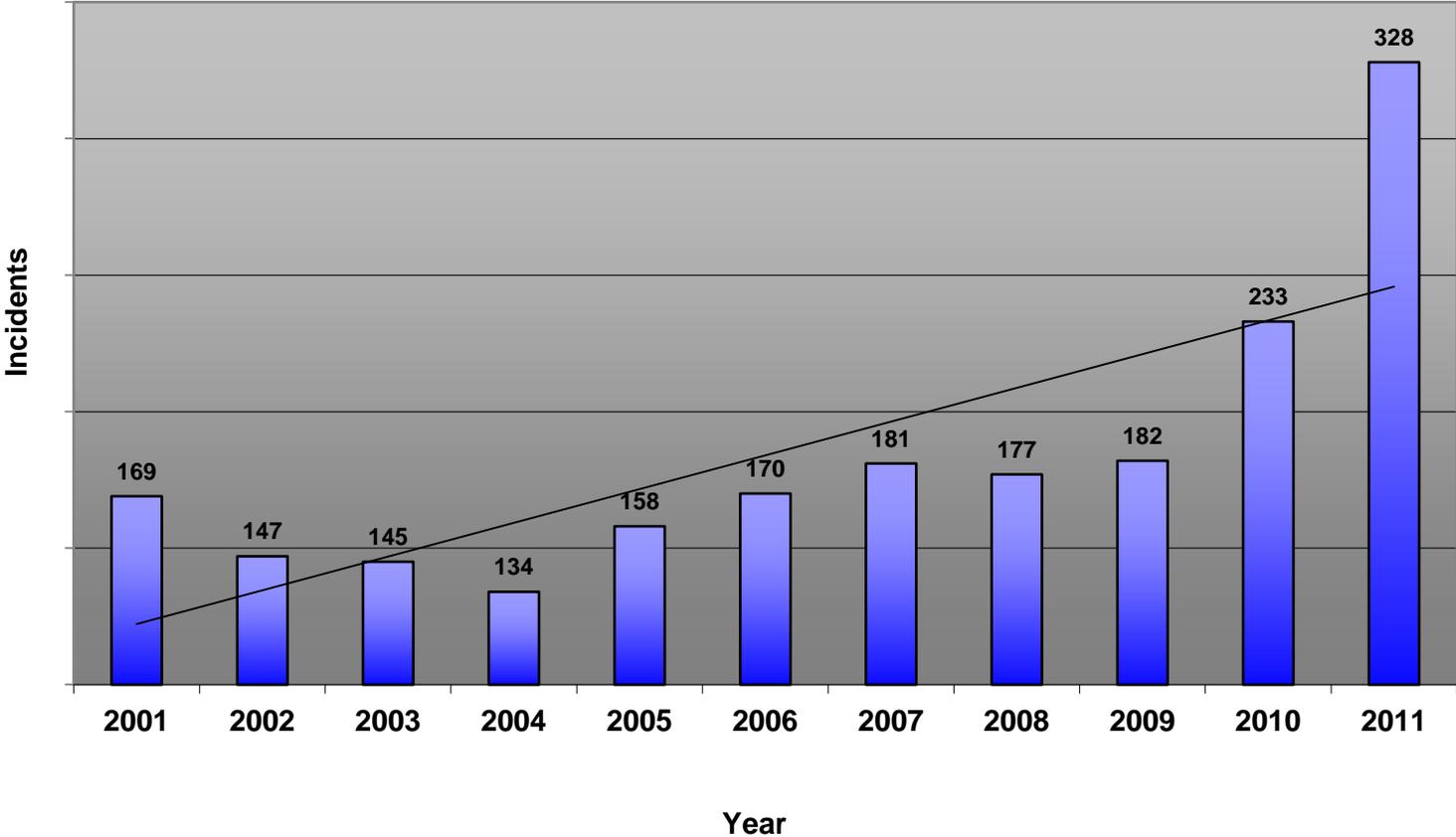
Public Education Contacts 2011



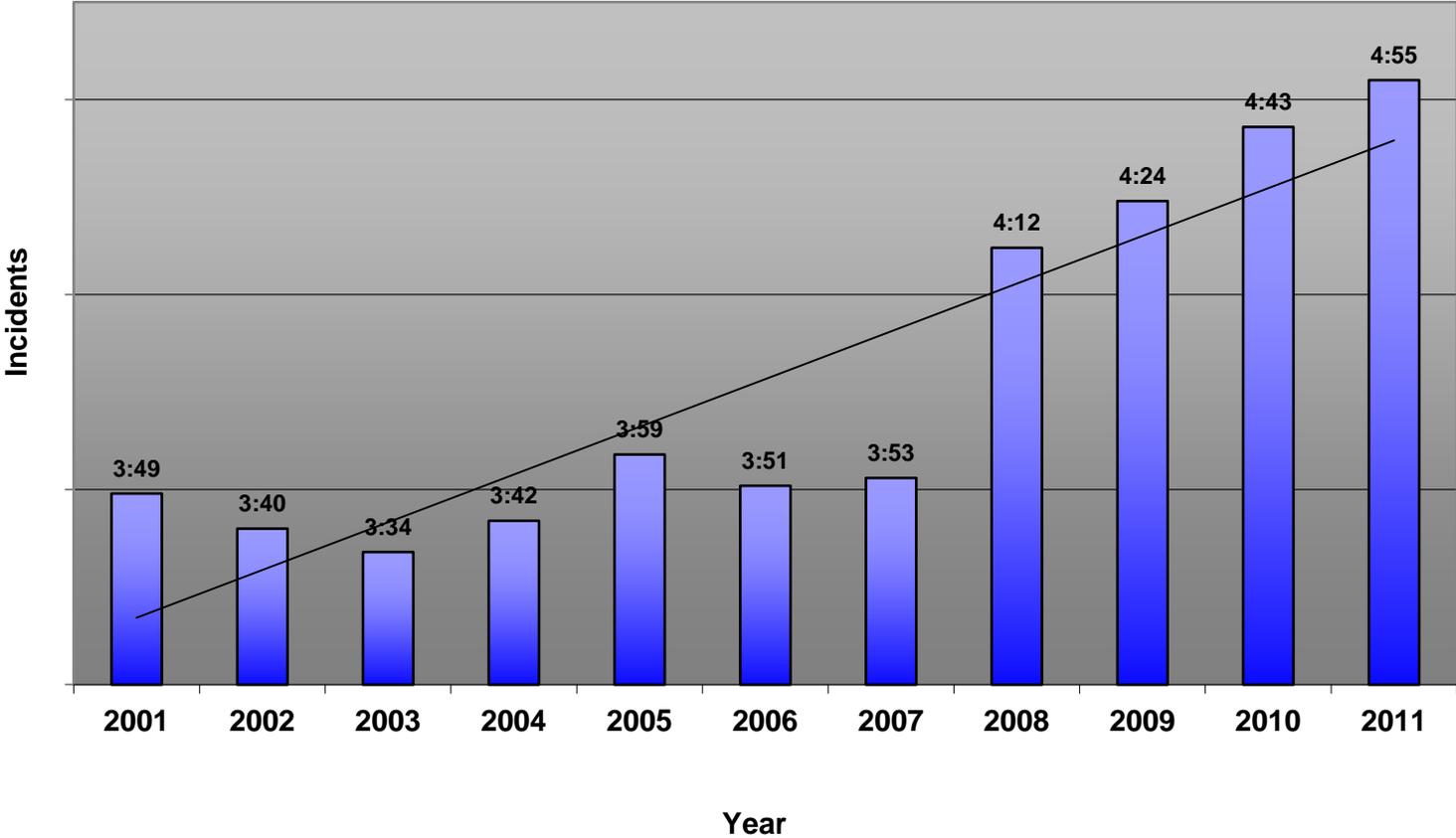
Annual Incident Comparison



Annual False Alarm Comparison



**Annual Avg Response Time Comparison
(alarm to onscene)**



FIRE LOSS COMPARISON - 2011 vs. 2010

2011 Incidents

Series	Number of Incidents	% of Incidents	Previous #	Year %	Estimated \$ Loss	Previous Year
100 - Fires						
Structure (by property use)						
131 Church, place of worship						
135 Aircraft fire			1	0.04%		
161 Restaurant or Cafeteria	1	0.04%	2	0.09%		
213 Elementary School or Kindergarten						
215 High School or Junior High	1	0.04%				
241 College, Adult Education						
255 Day Care in residences			1	0.04%		
311 Care Facility for the Aged						
331 Hospital						
341 Clinic, clinic type infirmary						
342 Doctor/Dentist Office						
361 Prison/Jail						
419 Residential	27	1.20%	29	1.32%	\$ 927,260	\$ 302,600
429 Multifamily dwelling	10	0.45%	9	0.41%	\$ 750	\$ 47,565
439 Boarding/Rooming House			1	0.05%		
464 Barracks/Dormitory	1	0.04%				
511 Convenience Store			1	0.05%		
519 Food & Beverage Sales			1	0.05%		
564 Laundry, dry cleaning						
569 Professional supplies, services						
571 Service station, gas			1	0.05%		\$ 5,000
581 Department or Discount Store			1	0.05%		
592 Bank	1	0.04%				
599 Business Office			1	0.05%		
659 Livestock production						
700 Manufacturing	8	0.36%	6	0.27%	\$ 89,000	\$ 600,000
808 Outbuilding or Shed			1	0.05%		
816 Grain Elevator						
891 Warehouse						
900 Outside or Special Property	1	0.04%	1	0.05%		
926 Outbuilding, protective shelter						
Total for all Structure Fires	51	2.27%	57	2.59%	\$ 1,017,010	\$ 955,165

FIRE LOSS COMPARISON - 2011 vs. 2010

Series	Number of Incidents	% of Incidents	Previous #	Year %	Estimated \$ Loss	Previous Year
Mobile Homes	1	0.04%	2	0.09%	\$ 3,000	
Vehicle	24	1.07%	40	1.82%	\$ 15,450	\$ 100,500
Brush/Grass	62	2.77%	54	2.45%	\$ 3,800	
Rubbish	20	0.89%	21	0.95%		
Outside Storage			1	0.05%		
Cultivated Vegetation						
Total for all Fires	158	7.05%	118	5.36%	\$ 1,039,260	\$ 1,055,665
200 - Overpressure, Rupture, Explosion,	3	0.13%	3	0.14%		
300 - Rescue/EMS	1423	63.47%	1577	71.68%		
400 - Hazardous Condition (no fire)	85	3.79%	69	3.14%	\$ 500.00	
500 - Service Call	127	5.66%	96	4.36%		
600 - Good Intent Call	117	5.22%	102	4.64%		
700 - False Alarm	328	14.63%	233	10.59%		
800 - Severe Weather & Natural Disaster	1		1	0.05%		
900 - Special Incident Type			1	0.05%		
Total for all Incidents	2242	100%	2200	100%	\$ 1,039,760	\$ 1,055,665

Casualties

	2011	2010
Civilian - fire related incidents only		
Injuries	0	1
Deaths	1	0
Fire Service		
Injuries	4	5
Deaths	0	0

NOTE: The above tables are preliminary as of December 31, 2011 and do not reflect final revisions to annual incident reports

DEPARTMENT TRAINING

The Department conducts an extensive amount of in-house training and external training. In recent years the training program has undergone extensive updates and expansion to the ever changing needs of the public.

Training is delivered through a combination of classroom time as well as hand-on drill work. Generally speaking, the delivery of training is divided into a variety of delivery avenues including:

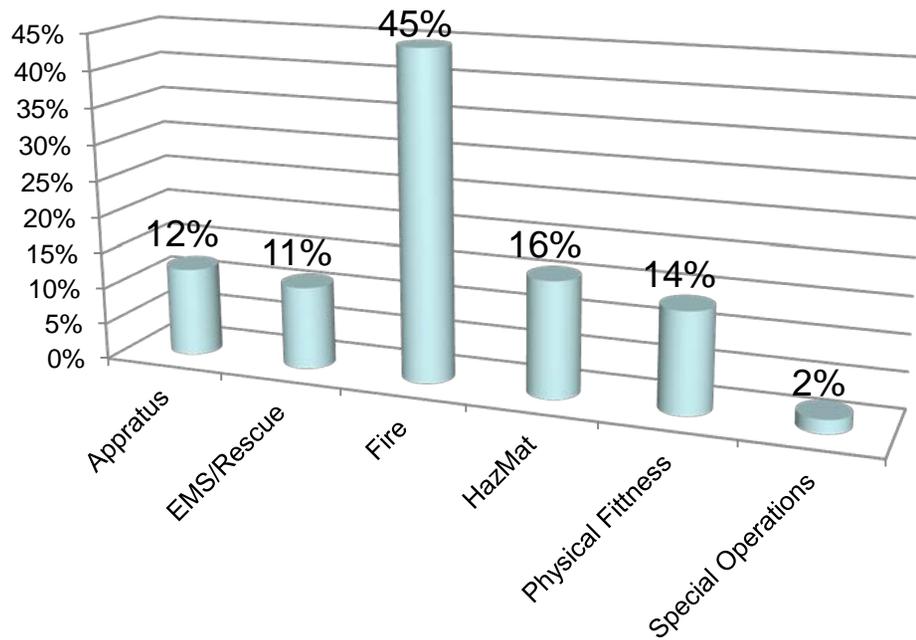
- Quarterly company drills
- Classroom instruction
- ISO/multi-company and night drills
- State/national level sponsored programs

The program has paid dividends in terms of more efficient and effective use of staffing and resources on the emergency scene while making the firefighter's job much safer.



Training Hours By Category

Apparatus	2336.88	12%
EMS/Rescue	2182.08	11%
Fire	8557.69	45%
HazMat	3054.84	16%
Physical Fitness	2654.79	14%
Special Operations	360.92	2%
Total	19147.2	100%



IN SERVICE TRAINING

- Annual Confined Space
- Auto Extrication
- Haz-Mat Equipment Review
- Fire Apparatus Pumping
- Apparatus Driving Test
- Meth Lab Awareness
- Rail Road Safety Class
- Haz-Mat training with the Army National Guard
- Preplan Class and Tour of ConAgra
- Hose Lays & Relay Pumping
- Sprinkler Impairment Class
- Basic Rope Rescue
- Hydrant Maintenance



- Aircraft Extrication and Firefighting
- Crime Scene Preservation with RPD
- Ladder Truck Operations
- EMT Refresher
- Thermal Imager Operations
- Drafting & Standpipe Operations
- Defensive Driving
- ACLS & Cardiac Emergencies
- Paramedic Refresher
- Thermal Imager Orientation camera
- Radiological Monitoring and Route Alerting

QUARTERLY COMPANY DRILLS

Every quarter all companies are evaluated by their battalion chief and the training officer with regard to their efficiency in firefighting operations.

Company Drill Topics

- Hose lays including water supply and attack lines
- Ground ladder carries and raises
- Heavy fire stream operations
- Fire sprinkler and standpipe systems
- Fire engine pump operations
- Self contained breathing apparatus
- Engine company tactics and strategy
- Aerial ladder truck tactics and strategy
- Fire ground and emergency scene management/Incident Command System



OUTSIDE TRAINING CERTIFICATIONS

- CPR Instructor
- IED Recognition
- Post Blast Investigation
- Railroad Emergencies
- Aerial Operations
- Hazardous Materials Basic/Advanced Monitoring
- Haz-mat Technician Level Trainer Refresher
- PALS / ACLS Instructor
- EMT Instructor
- National Fire Academy Fire Service Course Design
- Fire Service Leadership
- ICS 300 & 400
- National Fire Academy Fire Modeling & Fire Behavior in Single Family Dwellings
- Fire Officer 1



TRAINING PROGRAM HIGHLIGHTS

- Driver certification
- Rope rescue
- Haz-mat refresher training
- Monthly safety messages
- EMT certification of four probationary firefighters
- Paramedic certification of one firefighter
- CEUs awarded by the Department of Health
- Donations awarded to the department through delivery of training
- Con Agra: Thermal Imager , Ammonia Detectors



PROJECTS FOR 2012

- Prepare for field survey by the Insurance Services Office (ISO).
- Revise department rules and regulation.
- Conduct civil service new-hire and promotional tests.
- Continue to expand and improve upon training programs.
- Create new Operations Support position.
- Create Firefighter/Driver position for Truck Co. 1.
- Expand fire prevention and administrative functions.
- Continue review of Central Fire Station replacement. .
- Implement fire company-based target hazard inspection program.
- Continue fire station and apparatus improvements and upgrades.
- Website update

