



2013 ANNUAL REPORT

Cedar Rapids Fire Department





Cedar Rapids Fire Department Annual Report

Mr. Mayor, City Council, City Manager and people of Cedar Rapids:

It has been my pleasure and distinct honor to be the Fire Chief of the City of Cedar Rapids for 2013. The past year has brought renewed enthusiasm to the Cedar Rapids Fire Department with the opening of two new fire stations. With the closing of one chapter and opening another; it has gone much further than just replacing the old station damaged by the 2008 floods but has propelled us to the forefront of modern technology with the largest fire station in the United States to earn LEED Platinum certification.

I am pleased to present the Fire Department's Annual Report on behalf of our personnel. Each year the men and women of the Cedar Rapid Fire Department are faced with challenges and opportunities that make their job unique. As you will see in the Report, the Fire Department has a firm belief in preserving the rich tradition of serving the community.

The Cedar Rapids Fire Department has once again responded to over 10,000 incidents. There were 13 civilian injuries related to fires in 2013, with no fatalities.

Education and prevention still remain a top concern with the Fire Department and is continued by the Fire Marshal's Office through fire and life safety inspections, fire safety education, visits to schools, interviews with juvenile fire setters, fire safety presentations for civic groups and investigations of fire causes.

Cedar Rapids Fire Fighter's continued their charitable efforts to several various organizations throughout 2013; raising over \$67,000. Continuing a 29-year tradition of helping raise money for the Muscular Dystrophy Association (MDA), Cedar Rapids Firefighters raised more than any other fire department in Iowa with \$26,237. With the fourth Annual Fire Bowl, Cedar Rapids Firefighters Foundation partnered with St. Luke's Hospital to create "Sparky's Truck", donating \$ 40,022. Sparky's Truck offers a bright spot for children who are fighting an illness, injury or are enduring a long stay in the hospital. The Annual CRFD Memorial 5K Walk/Run raised nearly \$2,000 for the families of Iowa firefighters who died performing their duties. The Thirteenth annual event might have been held in the rain but its participants set a new high with 494 entries.

Respectfully submitted,

Mark A. English

Fire Chief, City of Cedar Rapids



Mark A. English
Fire Chief

PROMOTIONS



Cory Archer was promoted from
Shift Firefighter to Shift Fire
Captain on 10/19/2013

APPOINTMENTS



Eric Cook



Andrew Engelken



Lucas Kennedy

Shift Firefighters Appointed September 23, 2013:

Bottom: New rookies at a training car fire.

Center: Follow the hose drill with new rookies

Right: View inside a training burn with the new rookies and instructors.



RETIREMENTS



Ralph Lundquist
retired as
Shift Fire Firefighter
on 6/30/2013

BUDGET – FISCAL YEAR 2014 (JULY 1, 2013 – JUNE 30, 2014)

REVENUES

Special Fire Services	278,000
Protective Inspection Fees	480,000
Miscellaneous Revenue	25,000
Operating Transfer-In	1,709,232
Printing & Duplication of Forms	500
Sale of Maps and Publications	330

TOTAL REVENUE: **\$2,493,062**

EXPENDITURES

Personal Services	15,448,109
Discretionary Non-Personal Expenditures	441,138
Non-Discretionary Non-Personal Expenditures	1,780,674

TOTAL EXPENDITURES: **\$17,669,921**

The Fire Department's primary funding source is the taxpayer-funded City General Fund. The Fire Department receives 16 percent of the General Fund's expenditure budget. The Department charges a fee for fire inspections and permits, gas line breaks, and false alarms. It also collects revenue for Tier II and confined space agreements. These revenues are designed to reduce the amount of property taxes needed for the Department's operations.

Personal Services include regular employee wages, overtime, group insurance, social security and retirement contributions, workers' compensation and other employee benefits.

Property tax revenue allocated to the Fire Department from the Police and Fire property tax levy is \$1.7 million. Personal services account for 87 percent of the Department's entire budget. The City contributes \$2.7 million to MFPRSI, Municipal Fire and Police Retirement System of Iowa, which is the state retirement fund for associated Fire and Police Departments.

Discretionary Non-Personal Expenditures include the Fire Department's contribution to Health Services (\$55,000), books, periodicals and subscriptions, office supplies, Emergency Medical Services (EMS) supplies, personal protective gear, clothing, buildings and grounds repairs, and postage.

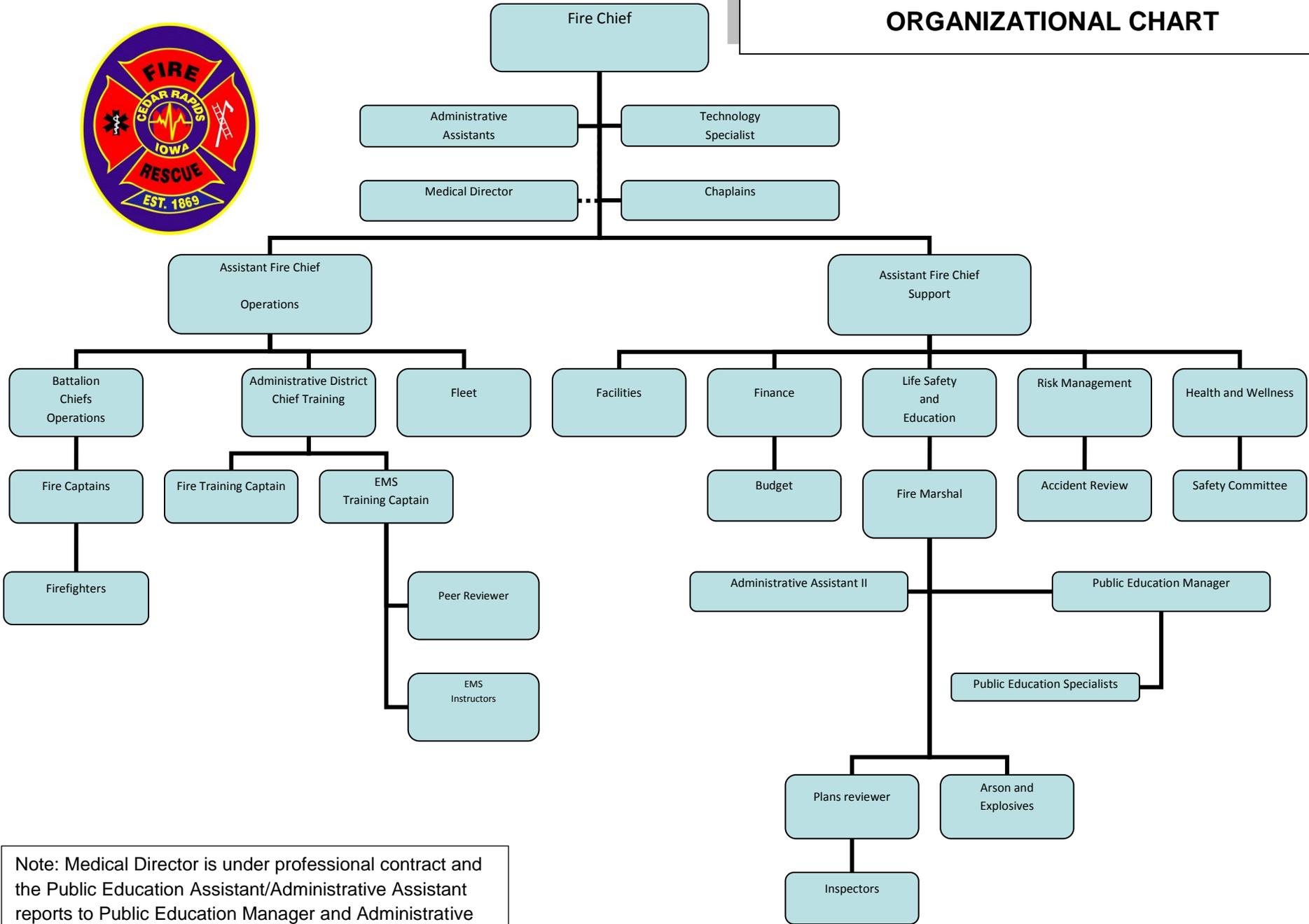
Non-Discretionary Non-Personal Expenditures are for City Accounting, Fleet Services, Information Technology, and the Fire Department's contribution to the Joint Communications Center (\$772,409). Expenditures also include electricity, liability insurance and gasoline/diesel fuel.



The Cedar Rapids Fire Department provides fire suppression, emergency medical services, and hazardous materials responses. Firefighters are ready to respond 24 hours a day, 7 days a week. In 2013, the Fire Department responded to 10,163 incidents – the second year in a row responding to more than 10,000 incidents.



CEDAR RAPIDS FIRE DEPARTMENT ORGANIZATIONAL CHART



Note: Medical Director is under professional contract and the Public Education Assistant/Administrative Assistant reports to Public Education Manager and Administrative Assistant II

OPERATIONS DIVISION



Gregory Smith
Assistant Fire Chief

The Operations Division, under the leadership of Assistant Fire Chief Greg Smith, includes Fire Suppression, Emergency Medical Services, Training Division, Urban Search and Rescue, Hazardous Material, Special Operations, Fitness Committee, Fleet and the Honor Guard. There are six Battalion Chiefs, a Training Chief, two Training Captains, 33 Shift Fire Captains and 92 Shift Firefighters. Emergency services are provided around-the-clock. In 2013, the Fire Department responded to 10,164 incidents.

The Fire Department used 9 fire stations to provide emergency response. The Fire Department opened the new Central Station which allowed Truck 1 and Rescue 1 to move from their temporary stations due to the Flood of 2008, and be co-located with Engine 1 downtown. This closed the temporary Station 10 that housed Truck 1, resulting in nine stations again, similar to pre-flood station counts.

Fire suppression efforts in 2013 preserved over \$32 million in property value. There was a total property dollar loss of \$5,121,868.00 due to fires; however, the total value of properties involved with a fire was \$42,503,004.00.

Shift Personnel Activity Log:

Fire Drills	4
Fire Extinguisher Demo	38
Neighborhood Meeting	1
Public Education	12
Public Relations	124
Ride Along	53
Safety Trailer	31
Special Events	6
Station Tours	79
Training	250
Truck and Turnout Demo	69



David Brown
Battalion Chief



Dan Dall
Battalion Chief



Brian Giachino
Battalion Chief



Brian Gibson
Battalion Chief



Andrew Olesen
Battalion Chief



John Pulver
Battalion Chief

The Department has six Battalion Chiefs (two for each 24-hour shift) who oversee the east and west sides of Cedar Rapids. The Battalion Chiefs provide incident command at major incidents and manage daily shift activities and personnel assignments. Firefighters work 24-hour shifts with 48 hours off-duty before their next shift assignment. Every 18th work shift, firefighters receive a shift day off called a “Kelly Day.” Over the course of a year, firefighters average 53 hours per week.

The Department’s Battalion Chiefs have specific program management areas including: Facility Maintenance (Chief David Brown), Urban Search and Rescue/Special Operations (Chief Dan Dall), Hazardous Materials Response (Chief Brian Giachino), Apparatus and Fire Equipment (Chief Brian Gibson), Special Projects (Chief Andrew Olesen), and Fitness Committee/Honor Guard (Chief John Pulver).

Throughout 2013, the Fire Department updated and replaced equipment like thermal imaging cameras, fire hose, and other tools and fire appliances (couplings, nozzles, etc.) to comply with National Fire Protection Association and Insurance Services Office standards.

SIGNIFICANT FIRES OF 2013

- Two-story single family residence, 3359 Falcon Drive NE
January 14, 2013 - \$471,000.00 damage
- Multi-family dwelling, 408 14th St SE
May 06, 2013 - \$200,000.00 damage
- Two attached condominiums, 4044 Water Point Ct. SW
July 28, 2013 - \$160,000.00 damage
- One-Story single family residence, 2049 Franklin Ave. NE
April 28, 2013 - \$115,000.00 damage
- One-story single family residence, 195 Miller Ave Sw
May 6, 2013 - \$117,916.00 damage
- One-story single family residence, 501 29th St NE
March 3, 2013 - \$125,000.00 damage



Attic fire on 195 Miller Ave



Smoke alarms alert occupants of this condo fire at 4044 Water Point Ct. SW.



324 Jacolyn Dr. SW Shamrock Condominiums



Basement fire 1545 Bever Ave SE



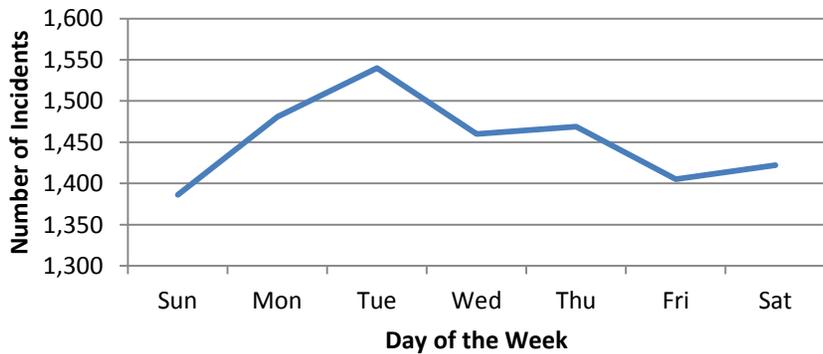
1228 2nd St. S.W. house fire at a flood damage home. 42nd since 2008

FF checks for extension at an apartment fire at 324 Jacolyn Dr.

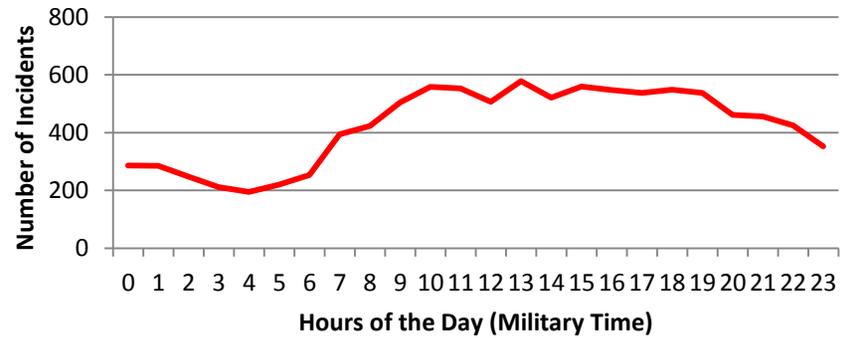


You are most likely to see a Cedar Rapids Fire Department emergency vehicle responding to an incident on a Tuesday between 1:00 – 1:59 PM

Incidents by Day of the Week

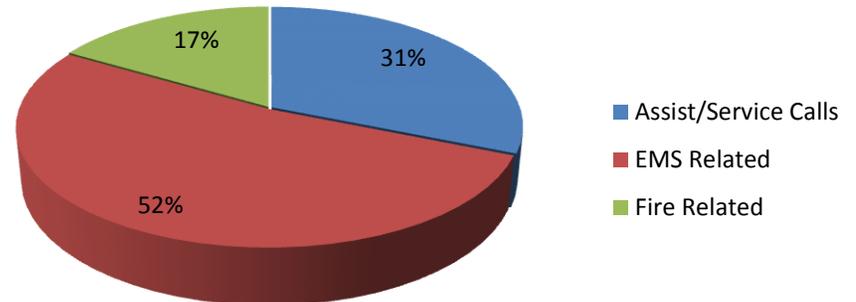


Incidents by Time of Day



- Firefighters responded to 1,689 fire-related calls, 3,162 Assists/service calls and 5,312 emergency medical services/rescue calls in 2013.
- Mutual aid was given to surrounding communities 12 times, while mutual aid was received by Cedar Rapids eight times.

2013 Incident Responses



FIRE STATION AND FIRE DISTRICT INFORMATION

The Cedar Rapids Fire Department was busy in 2013, transitioning from 10 stations (eight permanent and two temporary fire stations) to nine permanent stations. Due to the flood of 2008, the old Central station was deemed inhabitable and Engine 1, Truck 1, and Rescue 1 were assigned to two temporary stations. The new Central Fire Station opened on September 11, 2013 and Engine 1, Truck 1, and Rescue 1 were again able to all be housed in the same station. This allowed the two temporary stations to be closed. Another new station was built, this time relocating the old Station 3 near Coe College to the Northwest side of town. Station 3 was moved there for two reasons. The close proximity of the new Central Station had overlapping coverage area, and the expanding Northwest area of the city needed better fire and EMS coverage. The new Station 3 allows 12.5 percent of the people of Cedar Rapids to be within one and a half miles of a fire station. The Fire Department offers fire protection and other services to 72.1 square miles

FIRE STATION DISTRICT	LOCATION	TOTAL DISTRICT INCIDENTS
1 (Old)*	1010 1 st Street NW	1095
1 (New)*	713 1 st Avenue SE	564
2	442 50 th Avenue Court SW	851
3	1424 B Avenue NE	1268
3 (New)*	3520 Crestwood Dr. NW	15
4	3600 42 nd Street NE	866
5	509 Wilson Avenue SW	1055
6	2416 Mount Vernon Rd SE	787
7	206 29 th Street NE	1014
8	100 Wiley Boulevard SW	1698
9	415 Broderick Drive NE	897
10*	1825 Edgewood Road SW	69

* On September 11, 2013, the new Central Station 1 opened. At that time the temporary Station 1 and Station 10 closed, and the new District 1 went into effect.

Station 3 opened December 27, 2013 closing the old station off of B Ave. Ne



Demolition of older central Fire Station



Old Fire Station 3, sold to Coe College

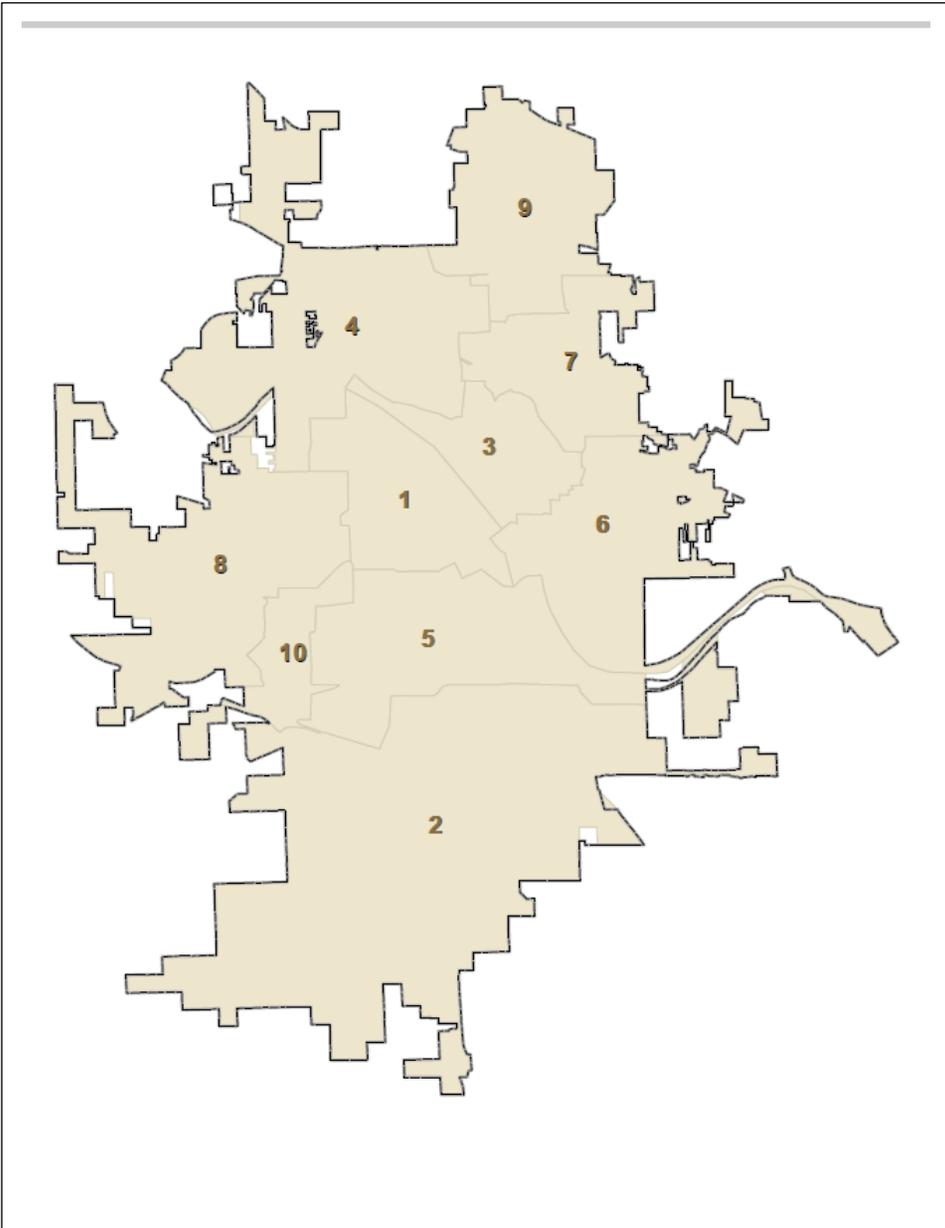


Grand opening of new Central Fire Station

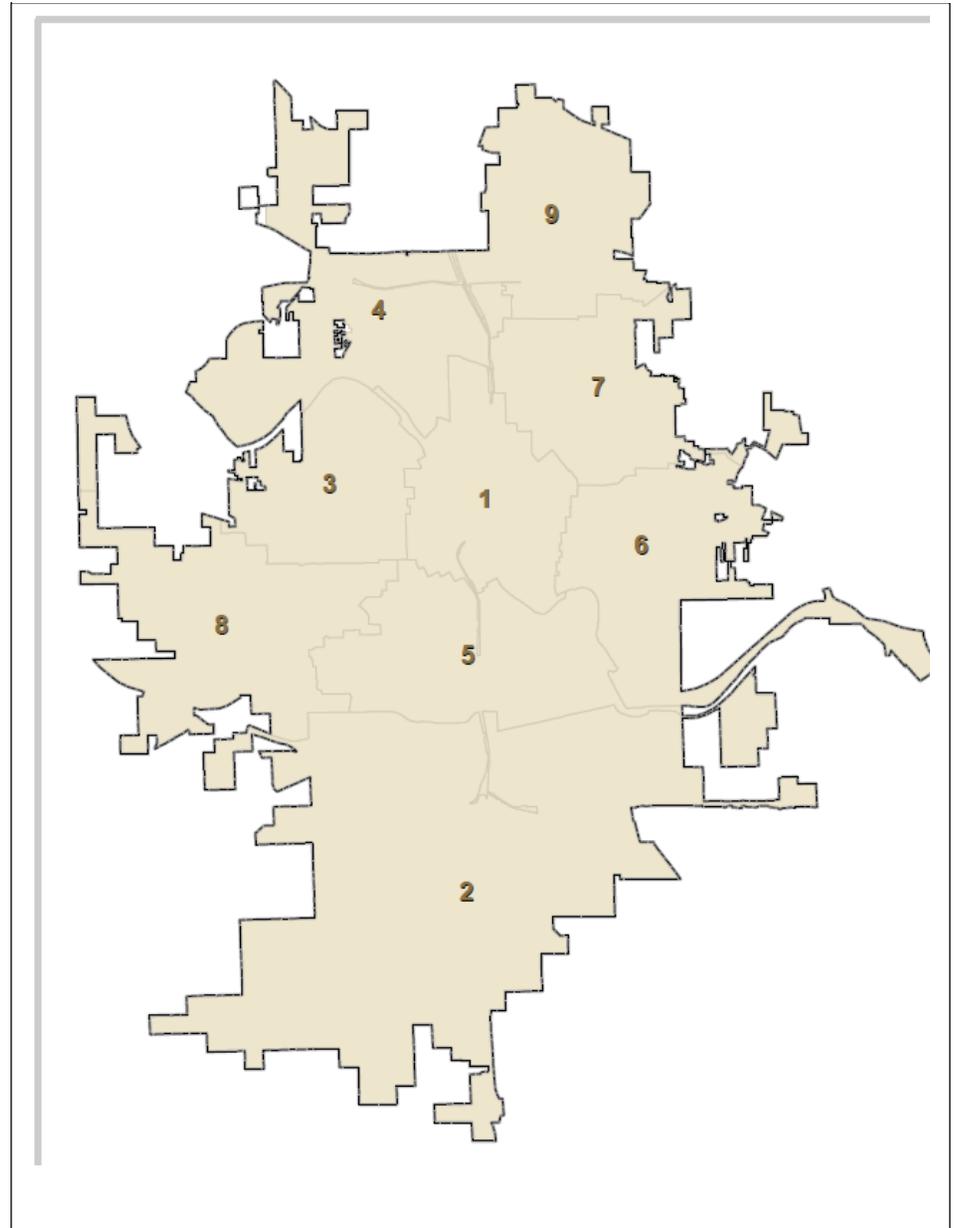


New Fire Station 3

Prior to September 11, 2013 (New Central Station Opening)



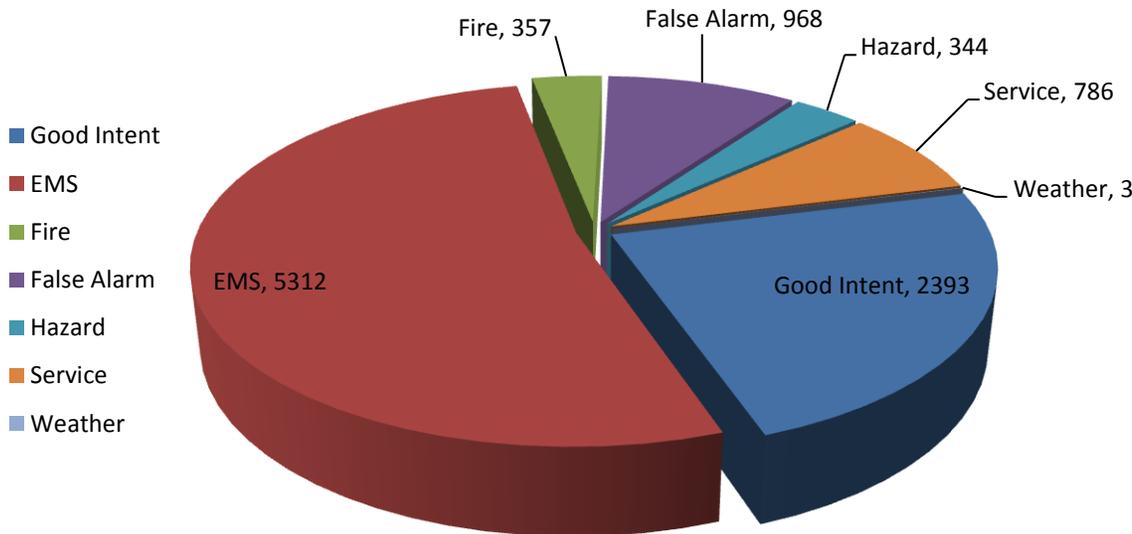
Post September 11, 2013 (New Central Station open and Relocation of New 3's)



Incidents per Fire District graphic courtesy of City of Cedar Rapids GIS Department, Information Technology.

Note: There were 11 mutual aid calls in 2013 whose addresses are not reflected in the map. There were a total of 10,153 incidents within the corporate limits of Cedar Rapids.

2013 Incident Responses



Definition of Categories

Fires – building, grass, passenger vehicle, trash

Rupture/Explosion – overpressure rupture, steam, gas, gas pipe, excessive heat

EMS/Rescue – medical emergency, motor vehicle accident with or without injury, extrication, high angle rescue, water and ice rescue

Hazardous Condition – gasoline or oil spill, carbon monoxide incident, downed power line, general clean-up of vehicle accident, toxic condition

Service Call – Lock-out, public assistance, Citizen Assist, unauthorized burning

Good Intent – smoke scare, cancelled on scene, investigation

False Call – false alarm, alarm malfunction, unintentional alarm

INCIDENT HIGHLIGHTS



- 112 structure fires
- 66 passenger vehicle fires
- 20 brush, grass, or natural vegetation fires
- 74 outside rubbish fires
- 223 vehicle accidents with injuries
- 6 extrications
- 15 water/ice rescues
- 95 gas leaks
- 97 hazardous materials (spills, leaks)
- 22 carbon monoxide calls (CO present)
- 551 citizen assists
- 59 unauthorized burnings
- 21 Smoke, odor removal
- 16 child lock in



River Training



Paul Phillips Thanks Responders

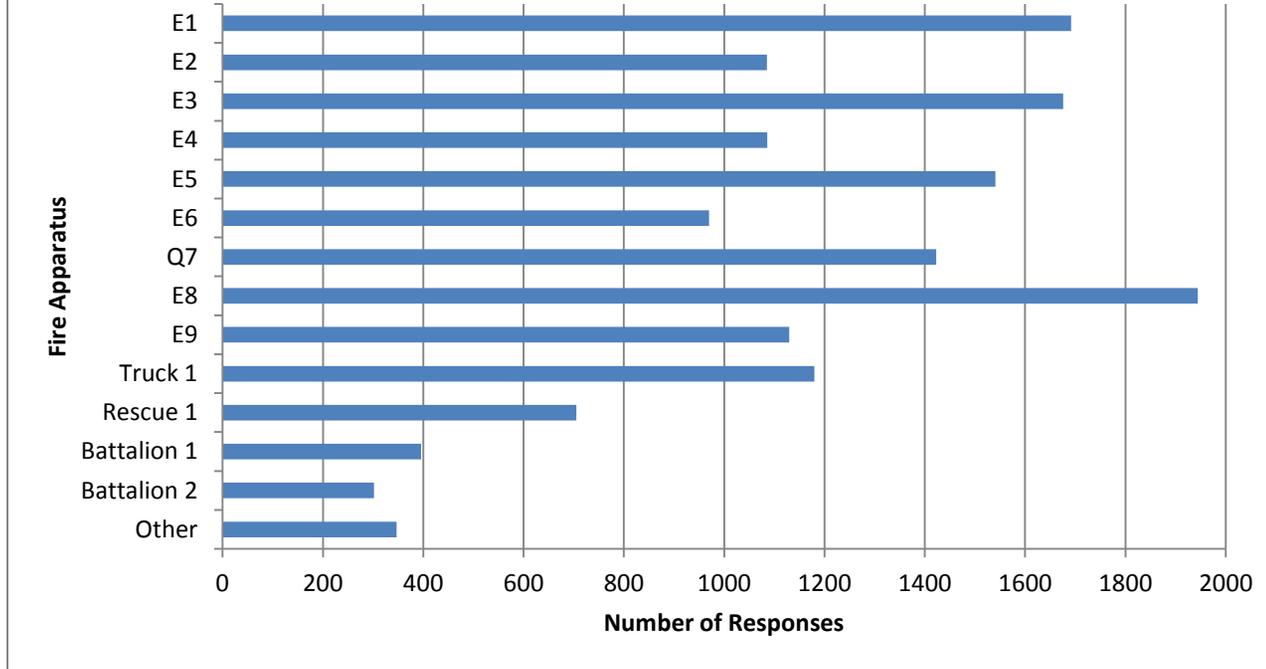


Accident 2300 Blk Mt. Vernon Rd.



Garbage Truck Fire Beverly Rd SW

Total Responses by Fire Apparatus



The Cedar Rapids Fire Department responded to 10,164 incidents in 2013. Depending upon the type of emergency, more than one apparatus may be required for an incident. For example, a report of a house fire would have an initial dispatch of three engines, a ladder truck, rescue vehicle and Battalion Chief. The chart to the left reflects total responses by all apparatus. The “Other” category includes responses by rescue boats, brush trucks, command vehicles, fire investigators, and hazardous materials/ special operations vehicles.

The total number of responses made by all fire department apparatus was 15,477.

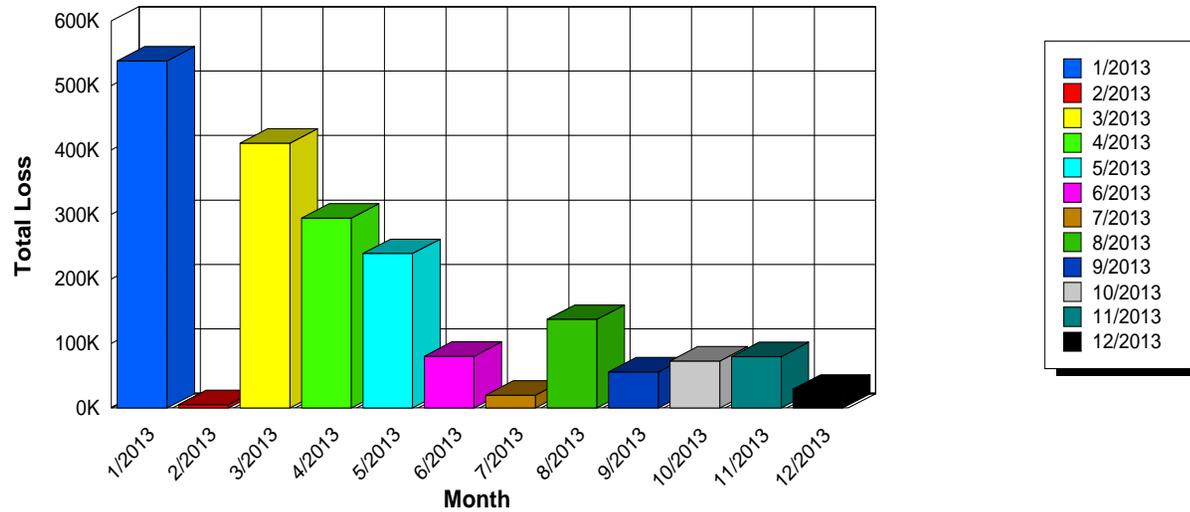
Performance metrics become the building blocks of any good fire service lesson plan. Performance metrics are also part of the Cedar Rapids Fire Department's quality assurance process.

Essentially, a performance metric describes what the Fire Department will be doing when demonstrating mastery of an objective. For example, the Fire Department strives to arrive on scene of an emergency within five minutes of receiving the 911 call. Monthly results are posted on the Fire Department's Web site at www.cedar-rapids.org/fire.

Highlights of 2013's Performance Metrics were:

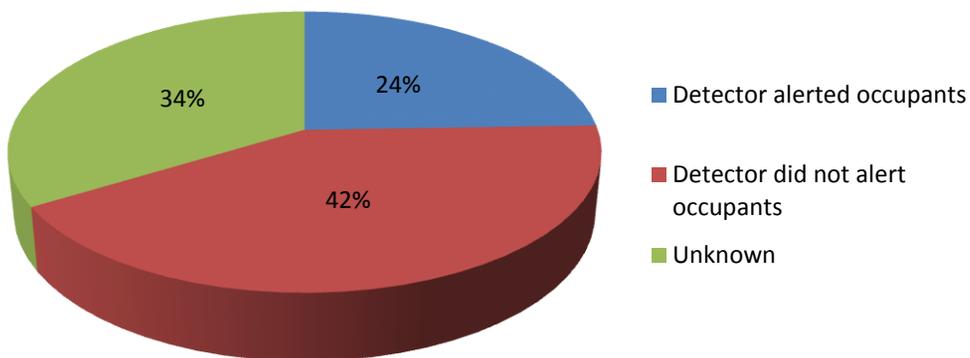
- The busiest month for fires was August (54 fires).
- The slowest month for fires was February (9 fires).
- The best average response time to fires (dispatch to arrival) February with (4 minutes, 11 seconds) and September with (5 minutes, and 03 seconds). The best month for percentage of response times that were less than five minutes was September (62.4 percent).
- The best percentage for fires contained to the room or object of origin was Oct. (85.7 percent). The National Fire Protection Association recommendation is greater than 40 percent, which the Fire Department surpassed each month.

RESIDENTIAL FIRE LOSS BY MONTH



Month	Fires	Total Loss
January	15	\$538,398.00
February	4	\$5,255.00
March	18	\$411,010.00
April	22	\$294,686.00
May	13	\$239,601.00
June	16	\$80,247.00
July	17	\$44,543.00
August	30	\$137,649.00
September	14	\$56,128.00
October	12	\$73,106.00
November	13	\$79,601.00
December	13	\$29,346.00
Totals:	187	\$1,985,121.00

Smoke Alarm Status for Structure Fires



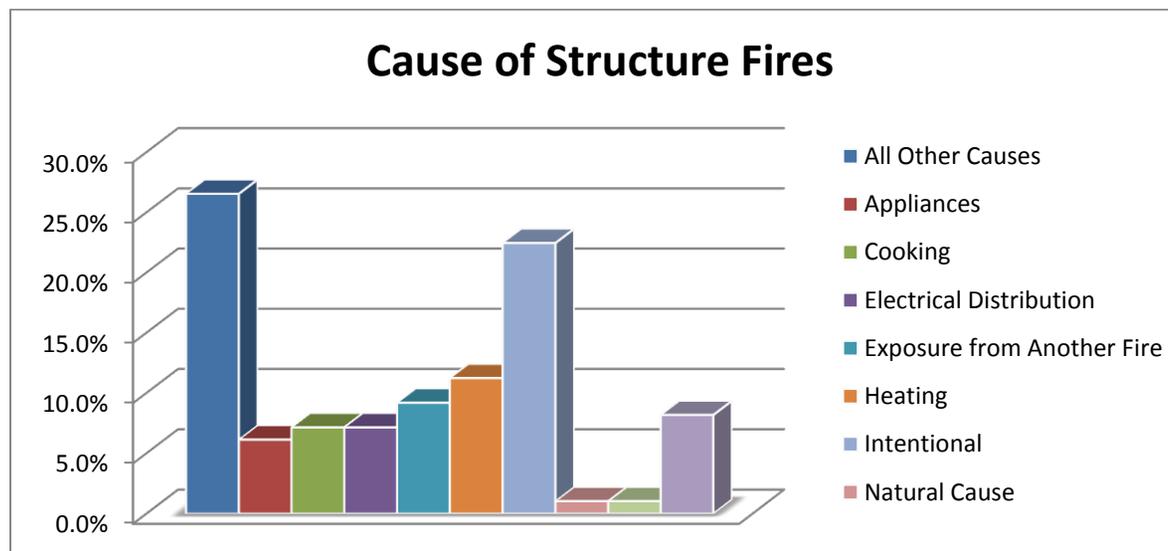
Fires in Structures by Fixed

1 or 2 family dwelling	71
24-hour care Nursing homes, 4 or more persons	1
Other Structures	9
Church, mosque, synagogue, temple, chapel	1
Dormitory type residence, other	1
Hotel/motel, commercial	3
Manufacturing, processing	7
Multifamily dwellings	53
Parking garage, (detached residential garage)	4
Restaurant or cafeteria	3

3359 Falcon Dr N.E



Most of the fires in Cedar Rapids occurred in residential properties



SUPPORT DIVISION



Curtis Hopper
Assistant Fire Chief

The Support Division, under the leadership of Assistant Fire Chief Curtis Hopper, includes Facilities and the Fire Marshal's Office. Chief Hopper manages the Fire Department facilities which include eight permanent fire stations and two temporary fire stations (Central Fire Station and Fire Station #10). Until the New Central Fire Station opened in September 2013.

With facilities, Chief Hopper has worked closely with the City's Facility Maintenance Service for repairs and improvements to the fire stations. Throughout the year, Facility Maintenance Services have kept facilities in working order, from plumbing issues like plugged drains to replacing heating and air conditioning units

Chief Hopper is a member of the Fire Department's Fire Station Management Team; 2013 saw the relocation of Fire Station 3 from B Ave SE to the newly constructed Fire Station 3 at 3520 Crestwood Dr. NW on December 27, 2013 and the occupation of the new Central Fire Station located at 713 1st Avenue SE. It took a coordinated effort with our personnel, dispatch and other partners to make this a relatively smooth process to relocate the station without impacting the service delivery to the citizens of this community. Cedar Rapids Fire Department worked with the Joint Communications to ensure that delivery of Fire Department's alert messaging was incorporated into the transition of relocating the station to the NW Side.

The Geographic Information Systems (GIS) is a mapping technology that allows interaction with a variety of maps and data sources. Cedar Rapids GIS was updated to include the redistricting of "response zones" to ensure response coverage and efficient service delivery areas.

With both of the new stations being built, the emphasis has been on ensuring the facilities are functioning and are free from defects. For the size and complexity of both of these facilities being constructed they have been relatively free from major defects, like any new construction there have been a few items that needed adjustments and corrective actions are being under taken during the warranty period.

There are several opportunities for facility maintenance for 2014, among those the top three would include:

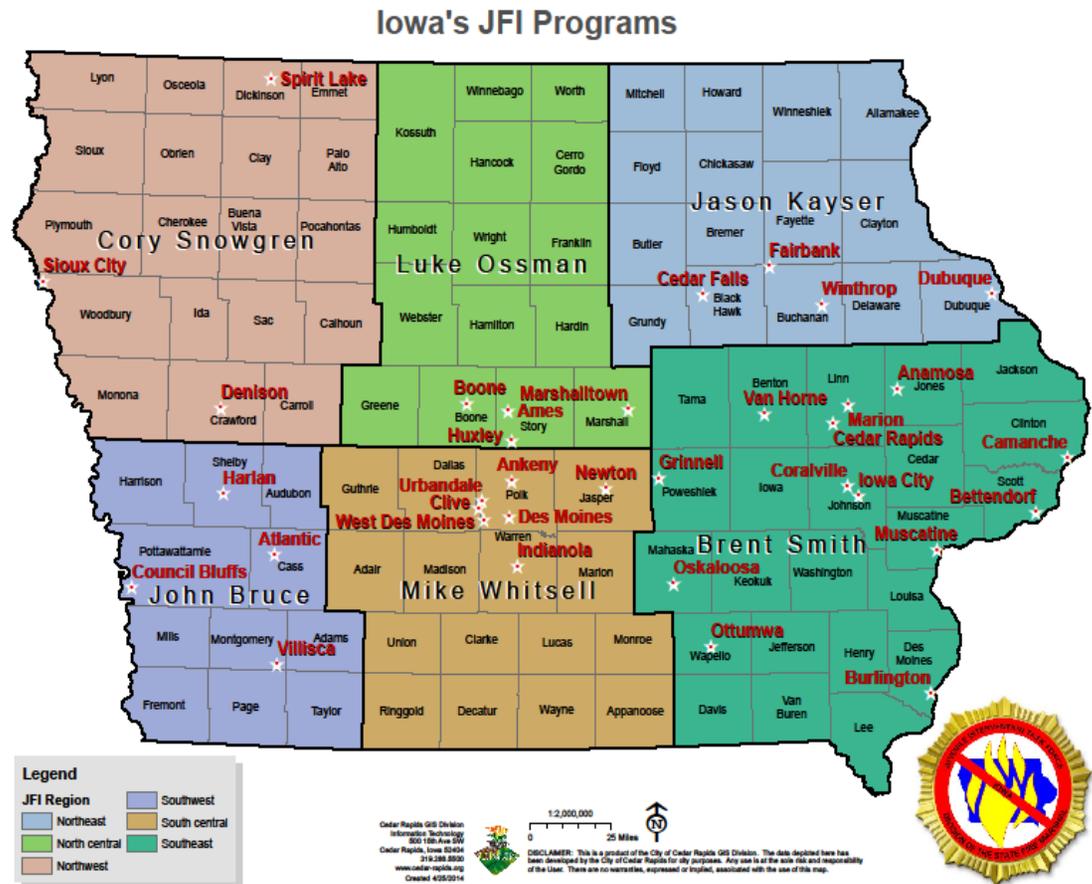
- Reroof station 7
- Provide Scheduled maintenance to sprinkler systems for all fire stations
- Make minor maintenance improvements to satellite stations (i.e. paint interior walls, replace storm doors as needed, etc.)

JUVENILE FIRE INTERVENTION PROGRAM



Brent Smith
Captain

In 2013 Cedar Rapids Fire had the honor of assisting the Iowa State Fire Marshal's Office in adding 11 new Juvenile Fire Programs to serve our state.



The Fire Department's Juvenile Fire Intervention Program (JFIP) provides evaluation, education, and redirection assistance to children that exhibit fire setting behavior.

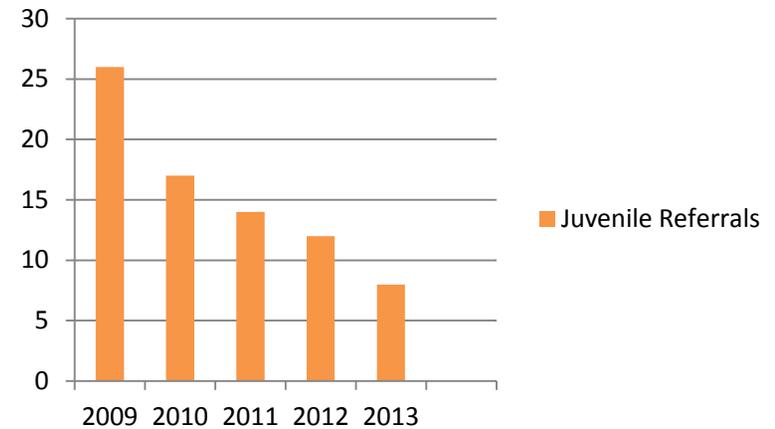
How Our Program Serves Our Community

Our program goal is to reduce the number of child fire deaths and injuries as well as reduce the amount of property damage created by children setting multiple fires in our community and our state. Under the leadership of Captain Brent Smith and assisted by Public Education Manager Nicky Stansell and Fire Fighter Amy Kunkle, the CRFD JFIP program also serves as the Regional Coordination Center for 23 South East Iowa counties.

The Fire Department's Juvenile Fire Intervention Program (JFIP) provides evaluation, education, and redirection assistance to children that exhibit fire setting behavior.

In 2013 our program saw 2 referrals from Juvenile Court Services, 6 parent referrals, for a total of 8 local families assisted. Children who participated in the program ranged from 9-15 years old and came from the communities of Cedar Rapids, Mt. Vernon, Hiawatha and Belle Plain. Captain Smith also assisted in in coordinating 18 regional referrals in 13 counties.

CRFD Juvenile Referrals



69%



Think of the damage just one fire can create. Not just the devastation and destruction of property but to the lives of our community members. Our program trends prove that this program works and had decreased property loss in our community.

FIRE MARSHAL'S OFFICE



Vance B. McKinnon III Fire
Marshal

The Fire Marshal's Office, managed by Fire Marshal Vance B. McKinnon III, consists of three divisions: Inspections, Public Education, and Fire Investigations. There are nine personnel assigned to the Fire Marshal's Office: Fire Marshal Vance B. McKinnon III, Fire Plans Reviewer Captain Steve Dunham, East Side Inspector Captain Peter Schmit, West Side Inspector Captain Scott Saylor, Inspector At Large Firefighter Clarence Hillebrand, Fire Investigator Al Brockhohn, Public Education Manager Nicky Stansell, Administrative Assistant Molly Knock, and Public Education Specialist/Administrative Assistant Donna Blin. The entire Fire Marshal's Office is overseen by Assistant Fire Chief Curtis Hopper.

The Inspection Division provides building plan review; enforces the Fire and Life Safety Code; and conducts fire safety inspections of schools, stores, factories, and industries, with over 6,000 inspection activities conducted annually. Fire inspectors are involved in sprinkler system and smoke detection plans; hazardous materials site assessments, hydrant flow test information and state licenses in daycare and healthcare.

The Fire Marshal's Office Inspection Division is involved in several aspects of fire prevention and Fire Code enforcement, including inspecting new and existing buildings, issuing permits, and conducting plan reviews.

Field Inspectors conduct fire inspections and provide inspection and permit data to the administrative staff, who manage the inspection records and issue required permits. In addition, Inspectors obtain current emergency contact information of businesses which is then used by the 911 Joint Communications Center in cases of after-hours fire or police emergencies.

The Inspection Division also completes site assessment requests received from environmental companies inquiring about a specific site, requesting information on the most recent fire inspection, any emergency responses for hazardous materials spills or incidents, and any fire permits issued for installation or removal of underground or aboveground storage tanks.



Captain Dunham conducts plan review

2013 FIRE MARSHAL'S OFFICE ACTIVITY LOG AND INSPECTIONS:

• Beer and Liquor Permits/Inspections	330	• Hazardous Materials/Industry	452
• Care Centers	24	• Hydrant Flows	12
• Certificate of Occupancies	305	• Fire Alarm Review	67
• Correctional Facilities	6	• Special Events	132
• Daycare Center and Pre-Schools	75	• Temporary Liquid Propane Tanks	36
• Group Homes	10	• Underground/Aboveground Storage Tanks	278
• Sprinkler System Review	143	• Initial Inspections	2297
• Permit Inspections	1371	• Administrative Review	170
• Plan Review	241		

Notes:

- * Care Centers include residential care, skilled nursing and assisted living centers.
- * Correctional facilities include corrections centers, work release centers and jails
- * Daycare and Pre-School inspections included 25 centers located within schools buildings.

FIRE MARSHAL'S OFFICE MISSION STATEMENT:

The Mission of the Cedar Rapids Fire Marshal's Office is to establish minimum requirements consistent with nationally recognized good practice for providing a reasonable level of life safety and property protection from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures and premises and to provide safety to firefighters and emergency responders during emergency operations

FIRE INVESTIGATIONS



Al Brockhohn and Ember
Fire Investigation Team

Captain Al Brockhohn is the primary investigator for the Cedar Rapids Fire Department, and is responsible for determining cause and origin of fires. Captain Brockhohn’s partner, Ember, is a canine that is able to detect trace amounts of ignitable liquids. Ember, in her ninth year of service, has a perfect record of identifying the presence of ignitable liquids – every sample that Ember has detected has been confirmed by the state crime laboratory.

Captain Brockhohn investigated 80 fires scenes in 2013. He also served as a member of the Bomb Squad until voluntarily resigning in November. Captain Brockhohn had served as a member of the Bomb Squad since 1985. He will continue to provide assistance as needed to the squad until his retirement.

The primary investigator is assisted by Captain Scott Saylor, who investigated 12 fire scenes.

Also, Firefighter Steve Mast has been assisting Captain Brockhohn with some fire scenes in 2013.

Fire Causes

All Other Causes	206	Playing with Heat Source	1
Appliances	9	Smoking	11
Cooking	11		
Electrical Distribution	11		
Exposure from another Fire	16		
Heating	33		
Intentional	45		
Natural Cause	1		

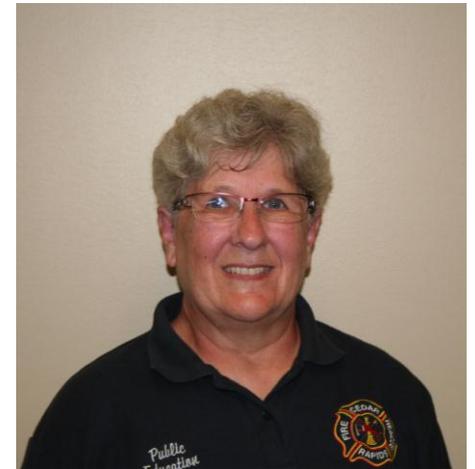
Training Log Summary Report for Ember

Other (Vehicle) Searches	10
Yard Searches	2
People Searches	3
Basic Imprinting	579
Scent Discrimination	51
Basic Floor Exams	107
Fire Scene Exams	47
Number of Reps	5,133
Number of Finds	1,060
Demonstrations	5
Number of People at Demos	295
Number of Samples Taken	22
Number of Samples Confirmed	22



After 24 Years of dedicated service to the City of Cedar Rapids Administrative assistant Susan Frischkorn retired in November 2013. Susan started her service for the City at the Police Department on September 25, 1989 she transferred to the fire department on June 11, 1990. Susan covered many bases for the fire department and will be greatly missed, Susan is one of the most kind and caring individuals you could ever meet, no task was too big or too small for her to tackle and succeed. We wish her the best of luck in her retirement.

Donna Blin was appointed to a seasonal position as a Public Education Specialist/Administrative Assistant within the Fire Marshal's Office on September 10, 2012. Donna assisted the Public Education Division with the delivery of fire education to third grade classrooms throughout the community and supported various administrative duties in the Fire Marshal's Office. Donna will be retiring at the end of the 2014 school year, her devotion and caring spirit for the young children she educated will be missed, as well as the help she gave our Administrative assistants at Central fire. Best of luck to Donna in her retirement.



Molly Knock joined the Cedar Rapids fire department on December 26, 2013 as administrative assistant in the Fire Marshal's office. Molly joins us from the City of Cedar Rapids water department. Her strong skills and team approach make her a great fit for the fire department.

TRAINING DIVISION



Michael Fredericks
Admn. District Chief

A better understanding of today's service environment and the impact of new technologies have allowed for organizations to transform and improve their operations. The fire service is no different in this regard. The Cedar Rapids Fire Department is continuously striving to provide the community with optimal levels of performance based on these factors. A significant element of this goal is the training provided to CRFD personnel. 2013 brought many opportunities for Cedar Rapids firefighters to become more proficient in their operations through instructional and hands-on training. The department recorded 16,086 fire and rescue-related training hours in 2013, in addition to those hours attained through the EMS program. This is more than any other previous year in the history of the department.



Fire Training Captain
Don Ransford

Training Chief Mike Fredericks and Fire Training Captain Don Ransford have worked to expand the Division's programs to meet the increasing demands allotted to the modern fire service. Monthly department-wide fire training classes were conducted in 2013, offering instruction and practice in such topics as respiratory protection and SCBA skills, solar energy systems, vehicle extrication, high-rise response techniques, building fire protection systems, improved hoseline practices, and completion of the Engine Driver/Operator certification for all shift personnel. Outside training opportunities included State and CITA Fire Schools, the Fire Department Instructors Conference, "Combat-Ready" Firefighting, the Mobile Aircraft Firefighting Simulator, and the Tri-County Fire Conference in Dubuque.

In addition to the classes provided, the Division established Minimum Training Requirements in 2013 for all CRFD firefighters – a directive that sets a specific number of training hours for departmental and company-based training activities. These requirements will help ensure that all front-line personnel will have the training they need to be as proficient as possible, but will also help the department in meeting the national standards established by the modern fire service. All CRFD training events, whether internal or from outside sources, are then entered into a comprehensive training record program, which in turn is integrated into one database for better tracking and accountability.

In 2014, the CRFD will continue on the path of continuous enhancement of acquired knowledge and skills and also work to identify all of the comprehensive training needs of a changing response environment.



High rise Training at
New Central Station

EMERGENCY MEDICAL SERVICES (EMS)

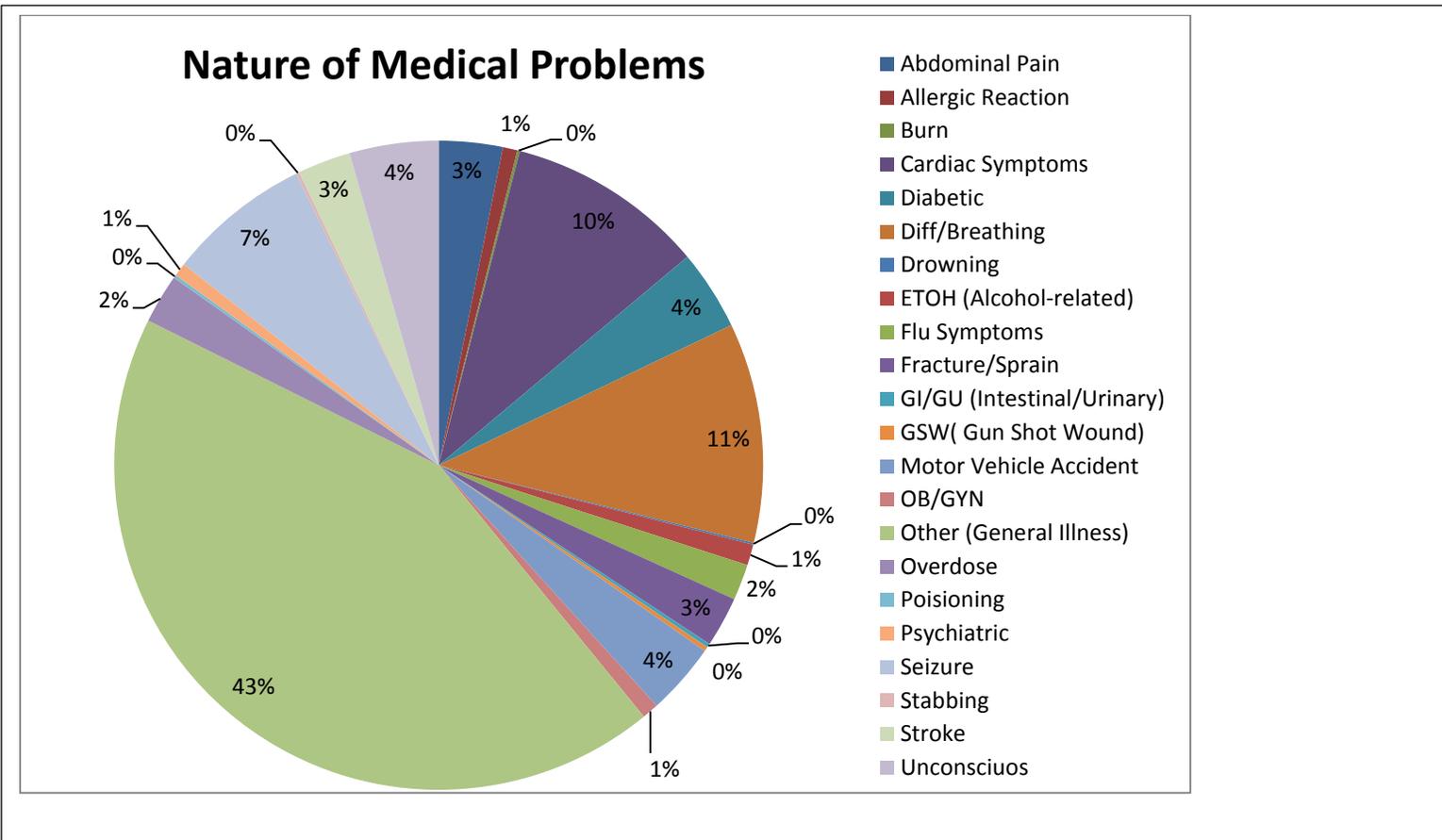


Jason Andrews
Captain

In 2013, 19.5 percent of medical calls required advanced life support skills, while 80.5 percent included basic life support. Highlighting the improved standard of care, the cardiac arrest save rate in Cedar Rapids was 11 percent – a patient with no breathing and no pulse was revived and released from the hospital without any neurological deficit.

The Fire Department has 142 emergency medical providers, including 89 Emergency Medical Technician-Basics, four EMT-Intermediate/Advanced EMTs and 49 Iowa Paramedics.

There were over 100 EMS training sessions offered in 2013 resulting in 5,789 training hours



The Fire Department responded to 5,312 EMS/rescue calls. The pie graph demonstrates the major categories of medical problems as described by patients when firefighter/paramedics arrived on scene.

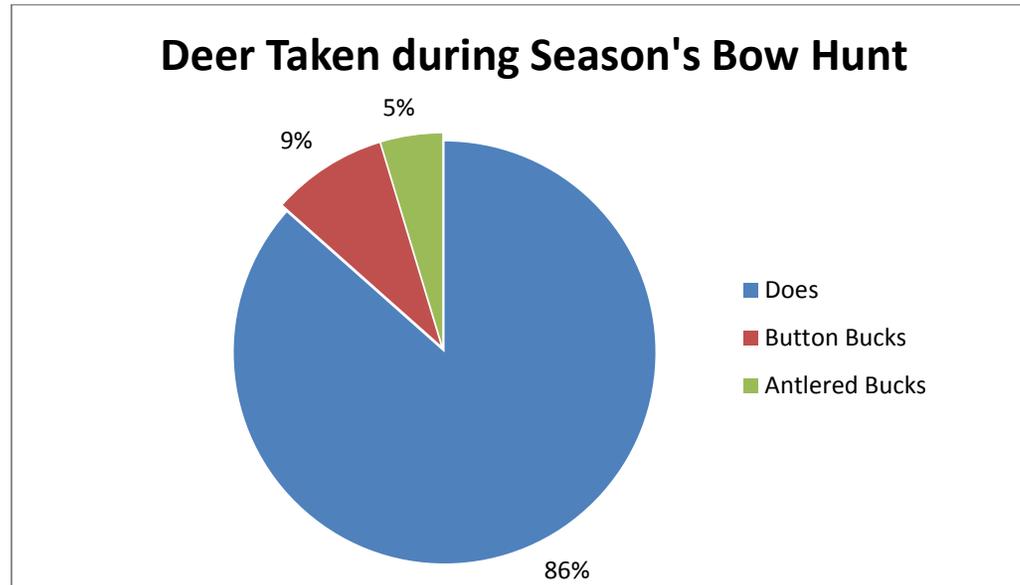
Note: Due to rounding, the percentages do not add up to 100 percent



Dec 12, 2013, mass casualty drill at Central Fire Station

DEER MANAGEMENT STATISTICS

The Cedar Rapids Deer Management Program was over seen by Captain Andrews and concluded the 2013-2014 bow hunt season January 19th with no reported injuries. A total of 83 hunters qualified for the urban bow hunt; 45 of the 83 hunters were successful in harvesting at least one deer. There were a total of 171 deer taken during this season's bow hunt. This is an increase of 8 deer from last season.



28 of the deer were donated to help feed the hungry in Cedar Rapids and Linn County. 143 deer were kept for personal consumption. Hunters who donated had the choice of either donating their deer to the HUSH program or to a local program to feed the hungry at the Mission of Hope. The opportunity to donate to the local program was new this year. This was a cooperative effort between the Newhall Locker, Hush, the Cedar Rapids Fire Department and local ENT Physician Dr. Kevin Carpenter M.D. The two main goals of donation include reducing the deer populations and providing high-quality red meat to the needy in Iowa.

One hunter took the lead harvesting with 10 deer. Nineteen have harvested five or more does with this season's hunt and will be eligible for 2014-2015 incentive buck tag. Since the inception of the hunt in 2004 the City of Cedar Rapids has shown a nearly 57 percent reduction in the number of deer killed on the roadway.

HAZARDOUS MATERIALS & SPECIAL OPERATIONS

Throughout the year, the Cedar Rapids Fire Department responds to hazardous materials incidents and unique types of rescues that require specialty training and equipment. The fire Department has several teams that are trained and prepared to respond to incidents such as confined space entrapment, drowning or chemical spills.

Training Hours

- Special Operations (confined Space, high Angle, Water Rescue and Ice Rescue) – 1609 hours
- USAR – 1267 hours
- Hazmat/WMB - 1471



Crews train at
Station 10



Hydrochloric Acid leak Cargill 5/6/2013

Team Leaders:

Boat Operations/Rescue – Captain Brian Hall

Confined Space - Chief Mike Fredericks

Hazardous Materials/WMD Response – Captain Mike Cheney

High Angle/Rope Rescue - Chief Dan Dall

Trench Rescue - Captain Rick Halleran

Team Numbers:

Hazardous Materials Technicians – 36

Hazardous Materials Operations Level – 84

Special Operations Technicians – 57

WMD Response Technicians – 19

Emergency Worker Monitoring and Decontamination Station Workers - 23



Hydrochloric Acid Leak Cargill

Hazardous Material Type incidents

Power line down	84
Gas leak (natural gas or LPG)	51
Vehicle accident, general cleanup	33
Gasoline or other flammable liquid spill	28
Arcing, shorted electrical equipment	26
Electrical wiring/equipment problem, other	23
Carbon monoxide incident	22
Hazardous condition, other	18
Chemical spill or leak	13
Oil or other combustible liquid spill	11
Overheated motor	8
Attempted burning, illegal action, other	5
Chemical hazard (no spill or leak)	5
Flammable gas or liquid condition, other	5
Heat from short circuit (wiring), defective/worn	3
Toxic condition, other	2
Aircraft standby	2
Biological hazard, confirmed or suspected	2
Refrigeration leak	1
Explosive, bomb removal (for bomb scare, use 721)	1
Accident, potential accident, other	1
Grand Total	344

25 CRFD Personnel had 440 hours of Hazmat/WMD Training.

Hazardous Material/ WMD materials courses conducted throughout the year included:

- Credentialing Training
- Radiation Technician Class
- WMD Technician Course
- WMD Team Training
- WMD Exercise in Waterloo
- Iowa Hazmat Conference

FIRE MARSAL'S OFFICE



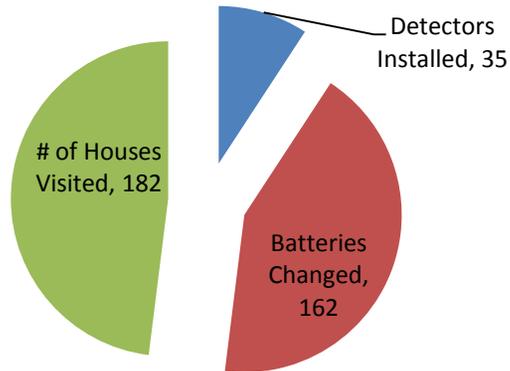
Nicky Stansell
Public Education Manager

The Cedar Rapids Fire Department's Public Education and Community Relations Division provides the community with 20 programs throughout the year, including a Kids' Fire and Life Safety Camp, Battery Up and pre-school fire safety. In 2013, 182 homes were visited in our annual Battery Up program in which firefighters assist senior citizens and physically-challenged members of the community change batteries in their smoke alarms. The number of senior citizens participating in the program has increased each year and will likely continue to grow in need and demand as the older adult demographic increases.

The Public Education Division still has a part-time position to assist both Public Education and Fire Code Administration. Donna Blin was hired in September for a seven-month position and has been assisting with fire safety visits in the schools and other various projects; she still fills this part-time role. The Adopt a Firefighter program continued into its third year. Three firefighters including Captain Ron Van Hoeck, Cory Burkle, Julie Popelka, and administrative assistance Stacy Mason, are assisting with the Learn Not to Burn fire safety program in the schools.



Smoke Detectors Checked for 2013





The Public Education program focuses on five visits to 65 third-grade classrooms at 27 elementary schools. The curriculum includes a smoke alarm/home fire escape presentation, a fire truck and firefighter turnout gear presentation, winter fire safety, 911 simulator presentation (how to get help in an emergency), and the fire safety house.

The fire safety house is an interactive multi-room trailer with several fire hazards that children need to identify. There is a smoke machine that activates and pumps simulated smoke into the house that requires students to use a home fire escape plan. Firefighter crews assist with the fire truck and turnout gear presentation and the fire safety house visit. During the year, a pre-test and post-test were administered in order to help the Division evaluate the effectiveness of the curriculum.

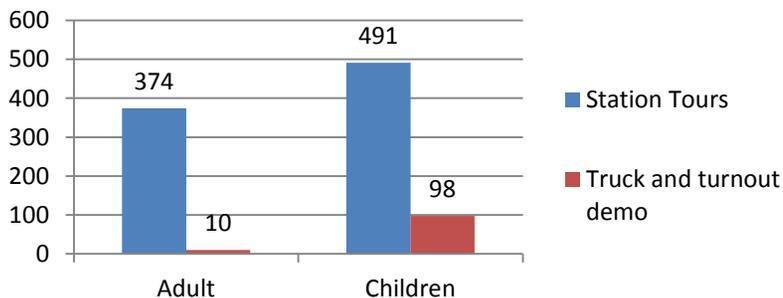
PUBLIC EDUCATION ACTIVITY LOG:

Truck and turnout	146
Scheduled station tours	78
Fire Extinguisher demos	27 businesses
Fire Extinguisher participants	1,361 individuals
Child Seats Installs	57
School contacts	8,286
Classroom Fire Safety Visits	374
Video Production Hours	6 hours
Fire Safety Presentation Contacts (including health fair)	1,354
Fire Safety Presentation (Civic group, seniors)	21

Nicky helps coordinate for the City for Toys for Tots. There were 21 City wide sites to drop off boxes. 12 full boxes of toys plus 3 bicycles were collected, as well as, \$320.00 in donations.

Cedar Rapids Fire Department also participates in American Reads for a day, CRFD personnel read at 12 schools (14 classrooms), 8 members participated (Chief English, Chief Brown, Captain Miles, FF Cannon, FF Tew, Fire Marshal McKinnon, Pub ED Assistant Donna Blin and Pub ED Manger Nicky Stansell)

Public Education Activities



FIRE CHAPLAINS



Phil Saunders



Rick Gail

Chaplains provide aid, comfort and help to firefighters and their families, and those suffering from the ravages of fire or other crisis happenings. The Fire Department Chaplains work towards the betterment of all areas of the fire and emergency service.

Besides responding to emergency incidents, Chaplains provided the invocation or benediction during City Council meetings, the Central Fire Station Ground Breaking, Recognition Ceremony, and One-Year Firefighter Service Ceremonies.

The Chaplains offer non-denominational, non-sectarian emotional support. The Fire Department and Police Department Chaplains work as a united group to provide 24-hour a day on-call access for traumatic incidents or other events that benefit from the Chaplain's service.

Members of the Fire Department and Police Department Chaplain Program include:

- Reverend Clyde Bailey, The People's Church
- Reverend Rick Gail, First Assembly of God
- Reverend Dan Hoeger, St. Patrick's Catholic Church
- Imam Taha Tawil, The Mother Mosque of America
- Reverend Ken Glandorf, Mercy Medical Center Chaplain, Pastoral Care
- Reverend Timothy Carter, First Church of the Nazarene
- Reverend Tim Pridegon, Lifeline Ministries Church
- Reverend William Graham, Grace Baptist Church
- Deacon Phil Saunders, St. Matthew's Church
- Reverend Pat Rieck, New Covenant Bible Church

HONOR GUARD



The Cedar Rapids Fire Department Honor Guard pays tribute to firefighters who have answered their final alarm. The 21-member special division of the Fire Department is also present at official Fire Department functions such as the Central Fire Station Grand-Opening, Fire Bowl, and Firefighter One-Year of Service Ceremonies.

In fact, in 2013, Honor Guard members contributed over 400 hours of service by participating in 24 events. This included 96 on-duty hours and 307 off-duty hours.

The 24 events throughout the year included 3 administrative meetings, 2 training sessions, 8 ceremonies/memorials (Cedar Rapids Roughriders Guns and Hoses Charity Night, Firefighter One-Year of Service Ceremonies, Central Fire Station Grand Opening, Fire Bowl, Iowa Governor's Safety Council, Five Year Flood Anniversary and the Iowa Firefighter's Association Memorial Service), and 11 visitations and funerals.



The Cedar Rapids Fire Department wishes to remember the following retired Cedar Rapids firefighters who died in 2013:

- Dale Stuckenbruck
- Edsel McMickle
- Bill Daugherty
- Kenny Burbach (dispatcher)



Central Fire Station Opening 9/1/13