

# Amarillo Fire Department Annual Report 2010





## TEAM BRIAN



### WHAT WE LEARNED FROM BRIAN

#### *How the Amarillo Fire Department Found Purpose in a Senseless Tragedy*

*Firefighters save lives. In that sense, Brian Hunton is no different than any member of the Amarillo Fire Department. What sets him apart is that he saved them four years after he died.*

*It's not hard to find firefighters who ignore the perils around them, rushing through smoke-filled doorways shielded only by personal heroism. They're in movies. Real firefighters face real dangers. Safety, for us, isn't a tether to be cast-off; it's a lifeline to be grasped. Brian was a real firefighter—trained, disciplined, focused on the hazards around the next turn.*

*Waiting around that turn on April 23, 2005, was a routine structure fire. It's a call units in the city respond to every day—business as usual. What stands out in hindsight is the ordinariness of that day. This could have been any call on any shift answered by any unit.*

*Brian Hunton could have been any firefighter. In the end, he is every firefighter who ever struggled with equipment, dressed on the fly, or looked ahead to the smoke, flames, and the danger.*

*What happened on April 23, 2005, is Brian's story. What happened after is ours.*

*April, in the Texas Panhandle, brings a plague of fire hazards. Warmer days take people outdoors where a spark from a power tool or errant cigarette can light up the sprawling, dry winterkill. Nights and mornings barely break freezing so fireplaces hang on for the last, frigid gasp of the season, which on this night resulted in a structure fire.*

*A fire station is a study in efficiency. Every firefighter knows the importance of time. Time burns. The difference between a rescue and a grisly recovery is measured in seconds and the crew of Ladder One, an American LaFrance Quint, knew how to shave precious ticks off the stopwatch. Their movements were fine-honed to instinct, a Pavlovian response, triggered by an alarm. That alarm sounded at 10 o'clock on a typical Saturday night. Three units from the Central Fire Station were on the street in less than a minute.*

*Brian, 27, with two years in the department, grabbed his gear and climbed into the apparatus. He took a place in the backseat of the cab, an enclosed area protected by a heavy side-door. He began equipping himself en route, pulling on his coat and struggling with the bulky air pack.*

*One block from the station, the ladder turned and Brian, still donning his pack, fell against the door. For firefighters, the sensation of shifting inside a moving truck as it snakes through traffic was as familiar as walking. It is weight against metal as gear-wrapped torsos crash against interior doors without giving the experience a second thought. This, after all, is a safe place—far safer than clinging to the rear of a speeding ladder-truck. It's part of firefighting. It happened all the time.*

*Only this time, the door opened. Brian's head struck the pavement causing massive trauma. Two days later, he was gone.*

*News of a fallen comrade runs through a fire department like electric current. We all feel it. The strength of our department—of every department—is that we prepare for any scenario. We had the right training. We had the right procedures. And yet one of our own was dead and the piece of safety equipment that could have saved his life lay only a few inches away.*

*Brian had not buckled his seatbelt.*

*The AFD was, by any measure, a safe department. We had the paperwork to prove it. Reporting rookies received a binder full of SOGs and SOPs covering*

*everything from flag raising to water use. We had a safety chief heading a safety committee that met to discuss any potential safety issues.*

*We had a comprehensive seatbelt policy and buzzers that let us know when they weren't fastened. We had everything we needed to save Brian except the capacity to see our own vulnerability. We looked ahead, planned ahead, rushed ahead. We valued speed. We kept our eyes on the task down the road and, somehow, lost sight of the one in front of us.*

*This wasn't the lapse of an individual firefighter; this was the lapse of a culture.*

*That had to change. We had to change.*

*What we needed couldn't come in a memo or mandate. Our problem was not a lack of rules; it was an issue of "group-think." In a profession where every call carries huge risks, we had learned to ignore the small ones. We created the problem together—solving it would take a team effort.*

*In 2006, we formed one. We called it **Team Brian**.*

*The group's members came from every rank in the department and each had an equal voice in the discussion. In examining the underlying causes of the accident, the team considered a key question—why do firefighters behave the way they behave?*

*The answer was they reflect the firefighters who came before them. We needed to change the paradigm. Crews were brought in one at a time and asked to identify the department's core values. Using their responses, the team initiated classes on Mentoring, Decision-making and the Role of Leadership-Followership.*

*More importantly, each firefighter took responsibility for their own safety and the safety of those around them—and every member was empowered to make decisions within the command structure. The changes were immediate and measurable. Crews at incident scenes reported seeing greater risk vs. benefit analysis. Drivers said they were more aware of their speed at intersections and on Code 3 calls. In one instance, a firefighter was ordered off a truck because of a malfunctioning seatbelt—an unheard of action just a few months earlier.*

*Things were changing. We were changing. The only remaining question was whether we had succeeded in forming a new culture, or if old habits would return.*

*On an icy, snow-blown day in 2008, we got our answer. Several units were responding to a weather-related, 30-vehicle accident with multiple injuries. One of the units, Engine 6, topped a hill in a near-zero visibility or "whiteout" and encountered a stopped car. Forced to swerve, the engine slid off the interstate and rolled over. The cab was crushed. One by one, the four members of the unit wiggled*

*free from the vehicle and went to work assessing the condition of the injured they'd been called to treat.*

*Every crewmember had been wearing a seatbelt and was uninjured. Before Brian Hunton, that outcome would have been far less likely.*

*Since April 24, 2005, not a single AFD fire truck has moved an inch until every crewmember is in a seatbelt. It's our commitment. It's our culture.*

*It's a promise we made too late to one of our own.*

*Team Brian isn't about seatbelts. It's about recognizing dangers large and small—the ones that lie ahead and the ones close enough to touch us without warning. Safety is a moving target. To follow it, you may need to change your point of view.*





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# Amarillo Fire Department Mission Statement

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Our mission  
is to protect lives  
and property in our community  
by providing the highest quality  
of professional services.



## **VISION STATEMENT**

Our charge is simple and straightforward. First and foremost, we strive to save as many lives, and improve the quality of life, for as many people as possible. Next, we protect and preserve as much property, as practical. We accomplish this, not by the foolish sacrifice of our own safety, but through the leadership of a structured and disciplined incident command system, the teamwork of a highly skilled and trained workforce, as well as the support of our community. We strive to maximize every resource available to us in our pursuit to serve. And most importantly, I attribute our successes to the tremendous dedication, character, and professionalism of the members of the Amarillo Fire Department. We will strive to insure that this tradition continues. However, the delivery of proficient emergency services represents only a percentage of the total public safety solution. By enhancing our relationship with the public, as well as promoting a personal safety attitude, within the community, through public education and business and home safety programs, the members of the Amarillo Fire Department will, as partners with the public, improve personal public safety. Through teamwork at the community level, Amarillo will continue to be an outstanding place to live. Therefore, the following vision for the Amarillo Fire Department addresses the strategic issues that will directly affect the ability to accomplish our mission to: protect lives and property in our community by providing the highest quality of professional services.

# **AMARILLO FIRE DEPARTMENT MAJOR GOALS AND OBJECTIVES**

## **OBJECTIVES:**

- 1. Maximize safety and wellness in all activities.**
- 2. Improve or preserve the quality of life through effective customer service.**
- 3. Preserve property values through effective customer service.**
- 4. Maximize service delivery through efficient and responsible financial management.**
- 5. Align decision-making to the mission of the department through the continual development and support of organizational management.**

## **STRATEGIES:**

- I. Improve concentration, distribution, and staffing of emergency resources to provide reliable, consistent emergency services. Provide public protection consistent with NFPA 1710 (organization and deployment standard) that recommends a minimum of four fire fighters per apparatus with a six-minute total response time, 90% of the time. Provide public protection consistent with national organization, deployment, and response standards.**

## **TACTICS**

- a. Renovate existing facilities to enhance capabilities.
  - i. Build Fire Station 12 at 3100 SW. 58<sup>th</sup> to expand our capabilities to accommodate an additional company to improve resource distribution, as well as provide an apparatus bay of adequate size to support modern fire apparatus.
  - ii. Build a modern Fire Station 3 in the vicinity of South Coulter and Loop 335 to improve resource distribution, as well as provide an apparatus bay of adequate size to support modern fire apparatus.

- iii. Renovate Fire Station 9 to enhance and preserve our response capabilities and provide an apparatus bay of adequate size to support modern fire apparatus.
  - iv. Build Fire Station 13 at 6301 SW. 45<sup>th</sup> to improve resource distribution, as well as provide an apparatus bay of adequate size to support modern fire apparatus.
  
- b. Increase the replacement fleet by one ladder apparatus, to assure that four ladders are continually available, thus assuring an adequate amount of ladder trucks to maintain our standard of coverage. Replace low-profile apparatus with standard size fire apparatus as quickly as the renovation of facilities allows.
  
- c. Construct and staff additional fire stations to protect the regions of the city after response times substantially increase beyond six minutes, 90% of the time to meet response criteria in areas of growth.
  - Locate and purchase land for additional fire stations located Southeast in the vicinity of 58<sup>th</sup> and Osage, West in the vicinity of 9<sup>th</sup> and Coulter, East in the vicinity of Lakeside and I-40, as well as Hillside and Soncy.
  - Increase staffing by a minimum of 4 additional fire fighters per year for the next sixteen years to place an additional company in service every four years. Thus, an additional engine or ladder apparatus placed in service every four years for the next sixteen years.
  - Maintain a 3 to 1 ratio of single company to multi-company fire stations to maintain adequate concentration of resources during periods of high service demands and training, thus, reducing response times.
  
- d. Increase our total response capabilities by one ladder-company to improve our concentration to allow consistent ladder coverage on all alarms. Relocate the ladder company from FS #9 to the new FS #13. The resources would allow the capability of increasing the first-alarm response from 3 units to four units, thus allowing the capability of a first alarm assignment without having an open fire district.
  
- e. Renovate Fire Stations # 2, 4, 5, & 9 to preserve and enhance our response capabilities.
  
- f. Publish response data to develop and submit a NFPA 1710 compliance report in regard to adequate staffing, station number and location.
  
- g. Utilize an apparatus committee to develop and enhance the current AFD apparatus specifications, which supports the dependability and capabilities of the

fleet. Support a “learning organization philosophy” that continually modifies apparatus specifications to support the maintenance, capabilities and dependability of fleet.

**II. Maximize the capabilities of all resources available to accomplish the mission of the department. Continually improve customer services through the involvement, participation, and development of department members to support the tradition of excellent performance.**

TACTICS

- a. Continue the development of the new training center adjacent to the ARFF burn facility. Continue to construct a modern training facility capable of simulating real-life, practical situations, thus affording the AFD a more proficient and safer workforce.
  - i. Acquire additional propane burn simulators to improve training safety without sacrificing realism, as well as reduces number of line fire fighters required to conduct live fire evolutions.
    - Acquire ARFF simulator capable of providing realistic and safe tactical simulation.
    - Acquire car fire, ground spill fire and LP simulators capable of providing realistic and safe tactical simulation.
    - Complete infrastructure to include: lighting, classrooms, paving and hydrants.
    - Acquire a comprehensive Hazardous Materials, WMD, Disaster simulator capable of providing realistic and safe tactical simulation.
  - ii. Pursue technologies that will enhance the learning experience remotely and interactively. By training remotely, the department could increase staffing by three engine companies and twelve fire fighters for the replacement of traditional didactic training sessions.
- b. Install pre-emption traffic control devices at thirty strategic intersections, thus reducing en-route times and improving response safety.
- c. Utilize mobile data capabilities in emergency vehicles to provide:
  - i. Automatic vehicle location (AVL) to reduce response time by dispatching the closest unit instead of by traditional districts.
  - ii. Status display allows responders to document status to improve communications and record documentation.

- iii. Pre-plan survey information and diagrams to allow responders vital information prior to action.
  - iv. Track location of fire fighters at all times from the command post.
  - v. Conduct an aggressive training program compliant with the official, published departmental procedures, as approved by the Support and Operations Chiefs.
  - vi. Evaluate and document the capabilities of all programs and members.
  - vii. All existing programs will continue to improve operational effectiveness through innovative administration, management and training.
  - viii. Continually revise all applicable documents to include: rules, procedures, operating guides, and the training manual.
  - ix. Develop, implement, and maintain competency-based company standards through a continuing education program. Determine proficiency of all members at least annually within all programs.
  - x. Seek opportunities to support interoperability and unify public safety programs with internal and external public safety partners.
- d. Complete the implementation of the IAFF/IAFC Fitness and Wellness Initiative. The ability of our members to mentally, physically, and spiritually perform our duties at a maximum level, not only enhances our ability to protect our city, but provides for a safer work environment as well.
- i. Complete the renovation and replacement program of the exercise equipment at the fire stations.
  - ii. Acquire the necessary evaluation equipment to measure and evaluate fitness levels in accordance with the initiative standards.
  - iii. Continue to implement strategies to improve the diversity of our workforce.
  - iv. Support and integrate safety into every aspect of AFD to maximize the safety and fitness of all members.
  - v. Implement CPAT evaluation for AFD physical evaluation.
- e. Transform the existing operational goal process to include an appraisal or evaluative tool, to not only determine the success of the goal, but also, what revisions, if any, are necessary to maximize our results and resources.
- f. Develop member incentive programs to support and encourage employee responsibility for competence, safety and wellness.

**III. Enhance the department's relationship with the public, as well as promote and support a personal safety attitude to assist the citizens with the improvement of their own personal safety.**

TACTICS

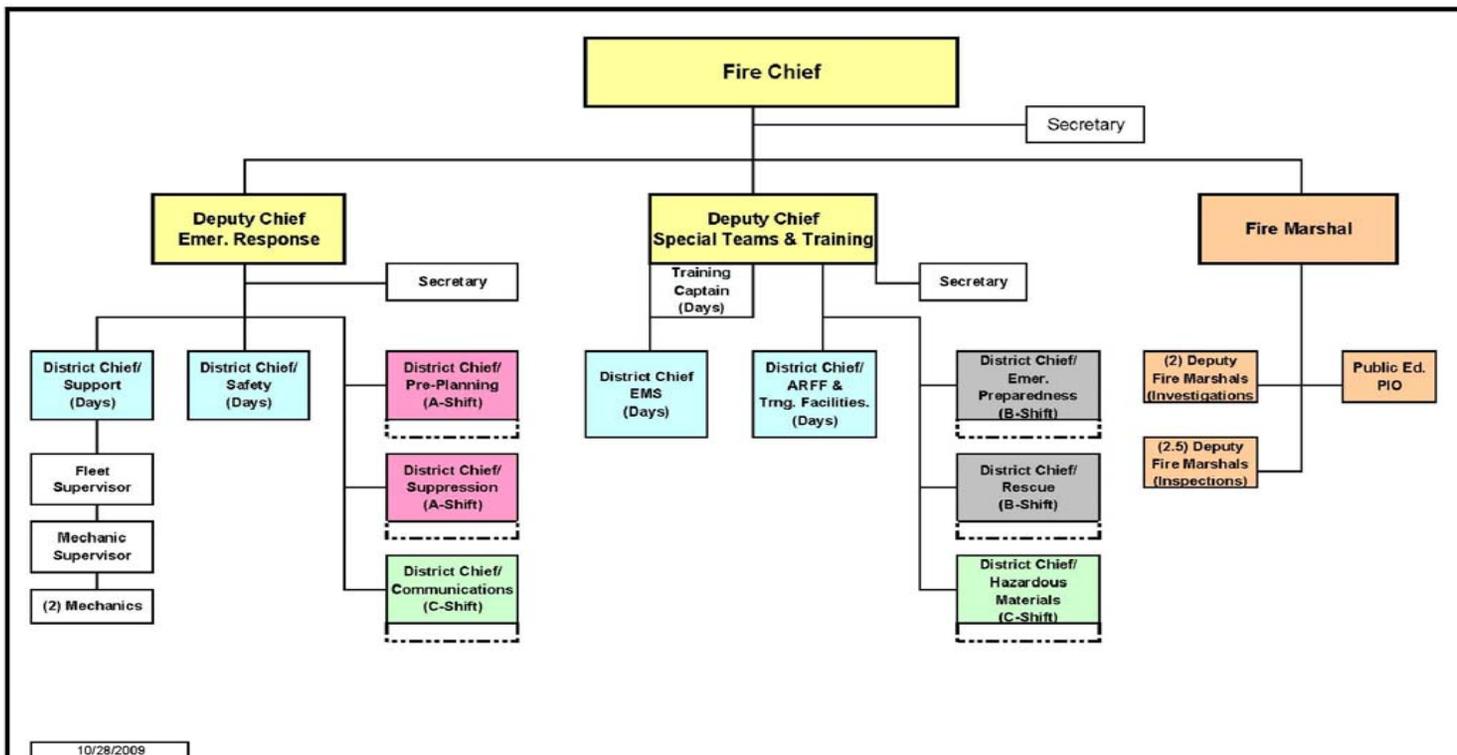
- a. Utilize the “Vision Committees” or solicit member participation in departmental planning to improve communications, both internally and externally, to market fire safety and public safety education using all available mediums.
- b. Continue to develop a self-home and business safety program to provide adequate support from all members to support the public in a way that allows them to protect themselves, as well as their property.
- c. Support responders with pre-emergency information, at both the strategic and tactical levels.
- d. In cooperation with suppression members, continue to deliver fire safety education presentations to target audiences.
- e. Continue to provide the community with information regarding departmental activities.
- f. Conduct employment preparation courses to provide pre-employment information to target audiences.
- g. Develop & implement a “Public Safety Citizens Committee” to solicit feedback from our customers.

**IV. Develop and implement a “mentoring” program to pass on our experience and traditions to promote an organizational team building philosophy.**

TACTICS

- a. Implement a mentor program that places probationary employees, regardless of classification, with senior “mentors” to support and encourage their development.
- b. Develop the skills and abilities of junior members to perform the job functions of the job classification above their current work assignment through supervised on-the-job and formal training opportunities.
- c. Continue to develop the capabilities of the members training programs to include ICS, leadership, customer service and organizational development.
- d. Promote a cultural environment that supports an independent, self-leader mentality from all members through a participatory management, team-building philosophy.

## Amarillo Fire Department FY10-11 Organizational Chart





# Personnel Summary

*As of December 2010*

## **Uniformed Members - 234**

Fire Chief - 1  
Deputy Fire Chiefs - 2  
Fire District Chiefs - 10  
Fire Captains - 22

Fire Lieutenants - 37  
Fire Drivers - 60  
Fire Fighters - 102

## **Classified Civilian Members - 12**

Fire Marshal - 1  
Fire Investigator/Inspector I - 2  
Fire Investigator/Inspector II - 2  
Fleet Manager - 1  
Mechanic Foreperson II - 1  
Mechanic Foreperson I - 1

Mechanic II - 1  
Admin. Technician II - 1  
Admin. Assts. III - 2

## **Part-Time/Hourly Members - 3**

Fire Inspector - 1  
Messenger/Delivery Person - 2  
Fire Cadets - 0

**Total Fulltime Members – 256**

# 2010 Personnel Changes

*January 2010 through December 2010*

## Retirements/Resignations

FF James Raef	retirement	1/12/10
Capt. James Hart	retirement	1/27/10
Lt. Mike Goodson	retirement	1/24/10
FF Waylon Bural	resignation	3/10/10
FF Wayne Pitt	retirement	4/7/10
Hrly Msgr Zach Molden	resignation	3/17/10
BJ Loyless	retirement	5/19/10
DC Jimmy Henson	retirement	5/19/10
Hrly Msgr John Griego	resignation	5/14/10
Dr Ted Winton	retirement	6/16/10
Lt. Mike Davis	retirement	6/16/10

Dr Rod Fielding	retirement	6/29/10
FF Toby Bell	resignation	7/17/10
FF Jody Atchley	resignation	10/6/10
FF Charles Straus	retirement	10/18/10
DR John "JB" Andrews	retirement	10/18/10
FF Jarrod Doan	resignation	11/17/10
Admin Tech II Janie Eddins	retirement	12/31/10
Dr Kenneth Kiker	retirement	12/1/10
DC Charles Ledford	retirement	12/15/10
Lt. Ed Selman	retirement	12/15/10
Lt Mike Vest	retirement	12/15/10
FF Scott Nelon	retirement	12/29/10

## **Promotions**

Greg Herndon            captain            1/28/10

Josh Whitney           lieutenant           1/28/10

Kevin McLeland        driver            1/28/10

Keith Horton           lieutenant           1/28/10

Cody Snyder            driver            1/28/10

Robert Rhoton         District Chief    5/20/10

Tim Thornhill            captain            5/20/10

Jim Farrow             lieutenant        5/20/10

Warren Billington     driver            5/20/10

Jeff Reed               lieutenant        6/17/10

Joe Lockwood         driver            6/17/10

Ryan Caperton         driver            6/17/10

Matt Hilderbrand      driver            7/1/10

Kyle Smith	driver	10/21/10
Todd Peden	driver	12/2/10
Kevin Brown	DC	12/16/10
Roy Deupree III	captain	12/16/10
Chad Higgins	lieutenant	12/16/10
Chris Briley	driver	12/16/10
Aaron Sawyer	driver	12/16/10
Larry Davis	lieutenant	12/16/10
Casey Woolsey	driver	12/16/10

## New Employees

Joe Duran	hrly messgr.	5/27/10
Matthew Calvin	firefighter	6/17/10
Jordan James	firefighter	6/17/10
Ryan Mayes	firefighter	6/17/10
Arick Wray	firefighter	6/17/10
Terrell Gray	firefighter	6/17/10
Austin Howell	firefighter	6/17/10
Oscar Davis	firefighter	6/17/10
Bryan VanMeter	firefighter	6/17/10
Jeremy Clancy	firefighter	6/17/10
Chris Warren	firefighter	6/17/10
Brad Hanson	firefighter	6/17/10
Richard Wellman	firefighter	6/17/10

Jared Davis          firefighter          6/17/10

Jody Atchley          firefighter          6/17/10

Kevin Kaplan          hrly msgr          8/12/10

# **AMARILLO FIRE DEPARTMENT**

## **Emergency Services**

## **EMERGENCY PREPAREDNESS**

The emergency preparedness program supports interdepartmental and interagency coordination and coordinates command development for the fire department. District Chief Greg Mayes is the program director and is assisted by Captain Brent Clark, the program manager. Lieutenants Jeremy Hill and Keith Horton also work within the program along with the crews of all three shifts.

This program was developed in 2007 and continues to evolve as needs of the department are identified. Some of the program responsibilities are:

- Assure NIMS training requirements are met by all personnel of the Amarillo Fire Department
- Work with City Traffic Department identifying intersections for the installation of Opticon Traffic Control, assuring proper operation of Opticon systems
- Review and Revision of the Department's portion of the Continuity Of Operations Plan (COOP)
- Develop members of the department to act in various roles within the City of Amarillo (COA) Incident Management Team (IMT)
- Liaison with other City departments, including reviewing or revising City emergency response plans
- Development of the Type III IMT tasked with working for the Texas Forest Service (TFS) during a state-wide emergency response
- Coordinate and implement training, credentialing and emergency response with the TFS
- Assist with or develop Incident Action Plans (IAP) for large scale events within the COA
- Respond to emerging issues affecting the department
- Work to enhance Command and Control during complex operations

### **Performance Targets**

- All responders will complete NIMS IS 100, 200, 700, and 800 training within their first year of employment
- All Officers receive IS 300/400 training with one year of promotion
- Maintain an adequate number of trained personnel to fill IMT roles for the Department and the Amarillo/Potter/Randall Emergency Operations Center
- Develop Command and Tactical worksheets as needed

### **Required Certifications**

There are no required certifications to work on an IMT in the COA. The TFS certifies members of an IMT based on training completed and observed skills and abilities. In 2009, the department had 1 member with full certification, 5 members with Provisional Certification and 5 members with Trainee Certification.

## 2010 Accomplishments

- Provided/track NIMS training for new employees and those promoting to the level of Officer
- Continued to Liaison with all City departments in areas of mutual concern
- Reviewed COA Emergency Response Plans and AFD procedures to assure conformity
- Recruited junior members of the Department to serve on the COA's IMT as well as the Texas Forest Service Type III IMT
- Provided specialized training for members of the IMTs
- Increased the certification levels of the members of the IMTs
- Assured all Chief Officers complete IS 701.a, 702.a, 703.a, 704
- Developed Command Sheets for Haz-mat and Technical Rescue
- Developed Tactical Worksheets for Haz-mat and Technical Rescue
- Developed and implemented a new Hydrant Information System that will integrate with systems used by the City of Amarillo Water Department
- Completed installations of GIS hardware in Station 11
- Recruited a Lieutenant to fill the position in the program on A shift

## 2011 Goals

- Continue to facilitate/maintain NIMS compliancy
- Continue to Liaison with multiple city departments on areas of mutual concern
- Expand the Pre-emption system
- Facilitate training to increase effectiveness of AFD personnel working in the EOC
- Facilitate Web EOC training for AFD EOC personnel and Command Staff
- Provide Command/IMT Development as possible (TFS? AFD training?)
- Train up to 6 personnel for aide positions in the MOC (information/mapping)
- Research process/needs for Accreditation
- Assist/Coordinate with IT on Intergraph/RMS information

### Response needs (manpower / support required):

Station 11 personnel, Command Staff, designated AFD personnel working in the EOC

2-day GIS/map training for 2 personnel

Accreditation training for 3 personnel

**Equipment needs (new / existing replacement):**

\*\*New network or larger bandwidth at Station 11 (cable?)

New computer with Internet connection dedicated for the AFD in the MOC

Hand-held GPS for mapping wildfires? (\$800.00)

Software program platform for Accreditation (\$2,000 – 10,000)

**Program Budget changes:**

Estimated 750-850 hours OT for meetings/training/program

Accreditation tuition and travel (\$ ?)

Tuition and travel for 2 people on GIS programs/mapping (\$1300)

**Training needs:**

1. Days on the Training calendar?  
Overlay current training calendar
2. Out of town classes:  
Accreditation  
  
GIS/mapping

## FIRE SUPPRESSION



The fire suppression program supports the fire fighting capability of the department. District Chief Jim Henson retired as program director in May 2010. District Chief Tracy James, is the new program director and is tactically supported by the members at Fire Station #5. Captain Craig Phipps on “A” shift is the program manager/leader and is supported by Lt. Troy Waller on “B” shift, and Lt. James Williams on “C” shift.

This program’s responsibilities have become more diversified due to equipment maintenance needs of the department. Some of the program responsibilities are:

- Research and development of new equipment
- Needs assessment
- Writing and testing SOP’s
- Program lesson plans
- In Service training of department members
- In Service Company Evaluations
- Development of CBT practical exercise
- Hose maintenance, repair and record keeping
- Ladder maintenance, repair and record keeping
- Thermal Imaging Cameras, (TIC) maintenance repair and record keeping
- Nozzle maintenance, repair and record keeping
- Truck standardization

- Foam
- Hydrant testing and maintenance

### **Performance Target(s)**

- A general alarm suppression assignment capability consisting of eight engines, three ladders, and two command vehicles, with a total of 46 firefighters, can respond to an emergency leaving four engines, one ladder and one command vehicle, with a total of 21 fire fighters, remaining to respond to emergencies. (Two of the engines and one command vehicle are staffed by call-back personnel)
- A first alarm suppression assignment capability consisting of three engines/ladders, one command vehicle, with a total of 13 fire fighters with a response time of the first arriving unit within 6 minutes, 90% of the time. The balance of the first alarm assignment shall arrive within 10 minutes.
- Whenever practical, conduct aggressive interior fire attacks, in as safe a manner as practical, to support the search and rescue of occupants and then, confine the fire damage to the room of origin 90 % of the time.
- Conduct defensive fire attacks, in as safe a manner as practical, when structures are not tenable, to prevent the spread of the fire to other property and confine the fire to the structure of origin 90% of the time.
- Contain wild-land fires, in as safe a manner as practical, to minimize the threat to life and property.
- Suppress all uncontrolled and/or illegal fires involving vehicles, trash, and other property, in as safe a manner as practical, to remove the threat to life and property.

### Required Certification(s)

As a minimum, all members shall maintain a Basic Fire Fighter certification, by the Texas Commission on Fire Protection.

### Actual Suppression Certifications

Basic – 63

Intermediate – 87

Advanced – 61

Master – 31

## **2010 Accomplishments**

- Conducted more training to include new SCBA proficiency, consumption capabilities, firefighter survival training, and use of global evacuation system
- Conducted training on Mayday and evacuation procedures.
- Evaluated effectiveness of the CE program through continual evaluation of operational effectiveness, as well as company evaluations to include: SCBA, ladders, and hose evolutions.
- Continued to conduct strategy and tactics practical exercises for company officers.
- Continued to coordinate repair and testing of department hose and nozzles.
- Continued to coordinate repair and testing of department ground ladders.
- Conducted live fire training with all of our crews including strategy and tactics for residential, commercial, high-rise, and below grade fires.
- Became proficient in use of RIT system for fire fighter rescue by conducting training exercises, concentrating on commercial building searches, and hose layouts, etc.
- Continued to coordinate and complete testing of fire hydrants and water mains for fire flow. Identified low water supply locations.
- Set up hydrant repair and testing on new GPS mapping procedures.
- Spec and purchase a 500 GPM Class B Foam Trailer with a 2-3 inch educator for use on very large spills.
- Conducted evaluations to determine the need for another Wildland Truck versus the purchase of smaller or hybrid grass units.
- Conducted formal training on basic fire ground evolutions. (Basic hose evolutions).

## **2011 Goals**

- Conduct more training to include new SCBA proficiency, consumption capabilities, firefighter survival training, use of global evacuation system, and basic fire ground skills.

- Conduct training on Mayday and evacuation procedures.
- Evaluate effectiveness of the CE program through continual evaluation of operational effectiveness, as well as company evaluations to include: SCBA, ladders, and hose evolutions.
- Continue to conduct strategy and tactics practical exercises for company officers.
- Continue to coordinate repair and testing of department hose and nozzles.
- Continue to coordinate repair and testing of department ground ladders.
- Conduct live fire training with all of our crews including strategy and tactics for residential, commercial, high-rise, and below grade fires.
- Become proficient in use of RIT system for fire fighter rescue by conducting training exercises, concentrating on commercial building searches, and hose layouts, etc.
- Continue to coordinate and complete testing of fire hydrants and water mains for fire flow. Identify low water supply locations.
- Evaluate and continue hydrant repair and testing on new GPS mapping procedures.
- Spec and purchase a 500 GPM Class B Foam Trailer with a 2-3 inch educator for use on very large spills.
- Conduct evaluations to determine the need for another Wildland Truck versus the purchase of smaller or hybrid grass units.
- Order equipment for E12, L12, and a new grass unit.

## EMERGENCY MEDICAL SERVICES



The Amarillo Fire Department responds to all life threatening emergencies in the City of Amarillo. The members responded to 12,495 Emergency Medical calls during 2010. The AFD averaged over 34 medical responses per day in 2010. This was a 7.4% increase over the number of responses in 2009. Emergency medical responses represented almost 75% of total responses in 2010. The Emergency Medical Program supports and coordinates the first responder capability of the department. District Chief Bill Risner is the program manager and is tactically supported by the members at the Central Fire Station, who are led by EMS Coordinator Captain Dennis Eaves.

### **Performance Target(s)**

Deliver, as a minimum, one engine/ ladder company in accordance with the targeted emergency response criteria identified at a first responder level to life threatening emergencies under the medical control of a designated Medical Director following established protocols within 6 minutes, 90% of the time.

### **Required Certification(s)**

All members shall maintain an EMT-B certification or higher. EMT-B certification is one of the current prerequisites for employment with the Amarillo Fire Department. Certifications are with the Texas Department of State Health Service.



Actual Texas Department of State Health Services & National Registry Emergency Medical Certifications

EMT-B –218

EMT-I – 4

EMT-P – 12

## **2010 Accomplishments**

- Continued the competency-based CE program for all suppression personnel through the Texas Department of State Health Service.
- Continued the EMT re-certification testing program to insure competency.
- Continued the exposure control program and evaluate for compliance to include potential WMD threats.
- Maintained protocols in conjunction with ambulance provider and Medical Director
- Continued implementation of a Mass Casualty Response capability located at Central Fire Station. This team responded on all multiple casualty incidents as requested by Command and began triage and treatment of victims, as well as coordinated transport to area hospitals by local EMS agencies.
- Began Quality Assurance/Quality Improvement training program as part of larger program of creating a Emergency Medical System in the City of Amarillo, in conjunction with ambulance provider and Medical Director.
- Continued review of 100% of cardiac arrest responses.
- Began implementation of Advanced Life Support response capability by Fall 2010, with Engine 1, Ladder 1, & Engine 10. These units responded at an Intermediate level of care. Further implementation commenced upon availability of adequate numbers of personnel.
- Completed ongoing Paramedic class with expected graduation date of January 2011.
- Began two Intermediate level classes of 16 students each by Fall 2010.

## **2011 Goals**

- Training to new CPR/AED standards as mandated by American Heart Association
- Continued development of the programs implemented last year
- Placing additional ALS engine companies in service (4)
- Starting of 3 additional Intermediate classes (one on each shift) in January 2012
- Implementation of tiered advanced life support function for the AFD (Technical Rescue Medics, TAC Medics, Haz-Mat Medics, etc.)

### **Equipment needs (new / existing replacement):**

1. We will be purchasing additional medical bags this year when we place additional ALS capabilities in service.
2. Additional textbooks for classes and station reference materials will be needed as well.

### **Program Budget changes:**

1. Need additional monies in certification funds, since we will be applying for National Registry certifications for people coming out of Intermediate classes, this is over and above their normal State certifications.

2. Adding budget monies for TAC Medic Program (training hours, call-out hours)

3. Should add additional categories in budget for new supplies we are using (medications, etc.)

**Training needs:**

1. Days on the Training calendar? Just like everyone else, need more

2. Out of town classes? Maybe annual EMS conference in November, possible TAC Medic classes when available

3. Targeted personnel classes? EMT-I, beginning EMT-P when Intermediate classes are done, TAC Medic classes, Members from Central beginning to work with TRT

4. ALS for Hazardous Materials Response class delivered “in-house” by a National Fire Academy instructor.



## RESCUE



The Rescue program coordinates and supports the rescue capabilities of the Amarillo Fire Department, at the awareness level for engine/ladder companies, as well as with a Technical Rescue Team capable of more specialized rescues. The Rescue program provides the capability to remove trapped or lost occupants from life threatening situations. The Fire Department as a whole responded to 12,495 E.M.S. calls of which ~ ~2057 calls were reported vehicle accidents. The number of vehicle accidents that required patients to be extricated from vehicles was 20. There were also 10 other types of rescues. These rescues included rescues from elevators, machinery, buildings, trenches, and water rescues. All of these figures are independent of search and rescue operations at fires, which are listed as fire suppression activities.

District Fire Chief Donald Preston is the program manager and is tactically supported by Captains Dan Bush, Steve Barrera, Tim Thornhill and Mark Ward as well as Lieutenants Cody Anderson, Darrell Johnson, Billy Greeson and Jaime Lucero.

### **Performance Targets**

- Each engine/ladder company shall, within 5 minutes, 90% of the time, initiate, support, and conduct confined space, vehicle, water, building collapse, trench, and rope rescues in as safe a manner as practical and at an Awareness level as identified under National Fire Protection Association, (N.F.P.A.) 1670.
- Each engine/ladder company shall begin vehicle extrications in as safe a manner as practical to provide emergency medical care and rescue of occupants within 5 minutes, 90% of the time.
- A Technical Rescue Team capability consisting of 2 engines, one ladder, a special response vehicle, and a Command vehicle with a total of 13 firefighters shall, within 12 minutes, 90% of the time, initiate and conduct tactical rescues involving rope rescue at a Technician level as identified by N.F.P.A. 1670.
- A Technical Rescue Team capability consisting of 2 engines, one ladder, a special response vehicle, and a Command vehicle with a total of 13 firefighters shall, within 12 minutes, 90% of the time, initiate and conduct tactical rescues involving structural collapse, trench collapse, and water rescue at an Operations level as identified by N.F.P.A. 1670.
- Each division/group can support infrared search capability within 5 minutes, 90% of the time.

### **REQUIRED CERTIFICATIONS**

All members should meet the training standards for an Awareness level in Confined Space, Rope, Trench, Collapse, and Swift Water Rescue as defined in N.F.P.A. 1670.

## **2010 Accomplishments**

- Continued the development and implementation of the competency-based Continuing Education program for the Awareness, Operational, Technician, and Specialist level.
- Completed 4-hrs of comprehensive Confined Space Awareness Level, Standard Company Responses Training per AFD Member.
- Completed 4-hrs of comprehensive Rescue Review Training per AFD Member.
- Completed 4-hrs of comprehensive Rescue Review, Tornado Response, Water Rescue, and Rope Rescue training per AFD member. Accomplishments 2010:
- 10 FF to 80 hour Structural Collapse 2 TEEX
- 34 FF to 8 hour Wildland Rescue Training Palo Duro Canyon
- 4 FF to 40 hour Wilderness Rope Rescue/ Vortex Training
- 41 FF to 8 hour Water Rescue Training Lake Tanglewood

## **2011 Goals**

- Obtain Tech level for all Rescue Team members
- 9 members to Specialist level
- Vortex classes in Ops and Tech level

Response needs (manpower / support required):

Station 9 and 3, USAR with driver, District Chief, Safety, and other support as needed

Equipment needs (new / existing replacement):

Medical supplies for Rescue (ALS), pop-up awnings, necessary rope and webbing, additional water rescue equipment, replacement lumber, 15#, 30#, and 60# breakers with hoses, plasma cutter, individual gear bag for each member of rescue with heavy rescue clothing, ear-plugs, rain gear, etc, additional equipment for medium pressure air bags.

Equipment needed for new and replacement apparatus.

Program Budget changes:

As many \$1000.00's as can be spared.

Training needs:

1. Days on the Training calendar?

15 days- Rescue 1, 2, 3, Water, Eval (could use 6 more days)

12 days- Departmental-wide training (could use 12 more days)

2. Out of town classes?

9 members to Advanced Structural Collapse 3 and 4 100 hours TEEEX

Remainder of Homeland Security funds for Collapse 2, 3 and 4 training

4 members to Vortex training, 4 members to Swift Water rescue training,

4 members to Wilderness Rescue training

## HAZARDOUS MATERIALS



The Amarillo Fire Department Hazardous Materials Program is tasked with the development, implementation and coordination of all hazardous materials training, and emergency response for the City of Amarillo and surrounding areas. The Hazardous Materials Team consists of twenty-five State of Texas certified Hazardous Material Technicians assigned to an active hazmat station, with an additional one hundred forty-seven assigned to other disciplines. District Fire Chief Jeff Greenlee is the Hazardous Materials Team Program Manager and is tactically supported by Captains Greg Herndon and Jerome Drerup, Lieutenants, Jacob Oehlert, Carole Kroger, Randy Adams and Josh Whitney.

### **Hazardous Materials Response Team Statement**

The Amarillo Fire Department Hazardous Material Response Team responds to incidents that present unique and challenging hazards. The Amarillo Fire Departments Hazardous Materials Special Response Unit is equipped to support Responders for extended periods of time, to provide communications, as well as essential equipment in response to local and regional Hazardous Materials emergencies.

## Required Certifications

All members of the Amarillo Fire Department Hazardous Materials Team meet the training standards for the Hazardous Materials Technician level as defined in NFPA 472. Forty Amarillo Fire Department personnel currently hold certifications as Weapons of Mass Destruction Technician level Responders through training provided by the Department of Justice.

Current Amarillo Fire Department Hazardous Materials Credentials:  
Texas Commission on Fire Protection,  
172 State of Texas Technician level Responders

## 2010 Accomplishments

- The Amarillo Fire Department Hazardous Materials Special Response Team with a Command Unit for operational scene control initiated Technician level operations as identified in NFPA 472.
- The Hazardous Materials Team will continued to seek out all educational opportunities within budgetary constraints, including specialized training in Weapons of Mass Destruction (chemical, radiological, biological and explosives recognition and management).
- The Amarillo Fire Department Hazardous Materials Team took advantage of every opportunity to participate in joint training exercises with area Hazmat teams in order to create a coordinated regional effort to better manage any Hazardous Materials emergencies that arose.
- The Amarillo Fire Department Hazardous Materials Team fostered a multi discipline approach in the management of Hazardous Materials incidents to include Law Enforcement, Environmental Health, Industrial Waste, The Department of Energy, Emergency Management, various State and Federal agencies, area industries, as well as an extensive Medical community.
- Continued training using scenarios that require exercising equipment and SOG's.

## 2011 Goals

- Acquire new instruments through current approved grant to advance within one point of FEMA Type 1 team.

- Train on these new instruments and existing instruments to remain proficient.
- Coordinate with fixed facilities to improve operations through familiarity and pre-planning

### **Response needs (manpower / support required)**

Assign program responsibilities to HazMat officers to better involve members, create diversity, focus capabilities, and de-centralize program needs.

Bring both HazMat stations into a mutually capable team by sharing responsibilities of both stations.

Develop stability and operational competence by retaining team members over time.

### **Equipment needs (new / existing replacement)**

Standard replacement and upgrade of supplies.

New equipment needs will focus on training/use of equipment acquired through grant.

### **Training needs**

Operations level refresher for all members.

3 days per shift for focused team training

1 day per shift for on-site fixed facility training.

New equipment orientation.





given location and functions as a centralized access or reference point for information related to a given location.

This centralized storage allows reliable access to the most current occupancy information, which is collected from a wide variety of sources. The database will also serve as a method of extending electronic information access into the mobile environment once the necessary hardware, software and work flows are finalized.

Any business, commercial or industrial property can be candidate for inclusion into the preplanning database. However, the resources available to collect and organize the data will be concentrated on the locations that have one or more of the following characteristics.

- High Life Hazard
- Hazardous Material Storage or Hazardous Processes
- Large Building Size, Hazardous Construction or Conditions

## **2010 Accomplishments**

- Continued work on developing processes to push useful information to MCTs.
- Specification and procurement of MCT mounting hardware necessary to equipped new Command vehicle with MCT.
- Continued coordination with IT in the development of use and service procedures for MCTs.
- Assisted IT in MCT software upgrades, maintenance.

## **2011 Program Goals**

- Equipped additional apparatus with MCT mounting hardware and computers
  - to enable and/or enhance mobile data capabilities.
- Continue development of formalized processes and workflows between IT, AECC and AFD to maximize the use and benefits of mobile data in support of the AFD mission statement.
- Train AFD personnel in MCT use and benefits.

## **AIRCRAFT RESCUE & FIRE FIGHTING**

The Amarillo Fire Department (AFD) Aircraft Rescue and Firefighting (ARFF) program is located at the Amarillo Fire Station #10 at the Rick Husband Amarillo International Airport. Fire Station 10 personnel are tasked with providing several services including: Aircraft Rescue and Fire Fighting, Emergency Medical Services, Fire Suppression, Federal Aviation Administration (FAA) and Texas Commission on Fire Protection (TCFP) compliant ARFF training development and administration, proximity-type proper protective equipment (PrPPE) management, fire extinguisher maintenance and inspection, on-airport fuel farm inspection and enforcement, pre-emergency planning, instructional design, and emergency responder on-scene Rehab services.

The ARFF program is comprised of proactive personnel that strive to improve the program by continual research and training. The FAA regulates minimum training requirements for Airport Fire Fighters. Those minimum requirements include annual training in eleven airport and aircraft related subject areas, driver training and live-fire training practice to extinguish a simulated airplane fire. FAA training is in addition to required minimum continuing education training in emergency medicine, structural fire fighting, and hazardous materials response.



District Chief Sam Baucom administers the ARFF program. The officers at Fire Station 10 manage day-to-day airport fire station operations. There are three groups of firefighters assigned to Fire Station 10 that work in 24-hour shifts. Minimum staffing for Fire Station 10 is seven personnel at any one time.

### **Required Certifications:**

At a minimum, Amarillo Fire Department ARFF personnel are required to hold a Basic Fire Fighter Certification and Basic Aircraft Rescue Firefighter Certification through the Texas Commission on Fire Protection (TCFP) as well as certification as a Basic Emergency Medical Technician from the Texas Department of State Health Services.

In 2010, the Amarillo Fire Department employed 210 personnel that meet or exceed these state and Federal certification requirements.

The following is a list of personnel assigned to the ARFF station

	A-shift	B-shift	C-shift
Captains	Mike Faulkner	Roy Deupree III	Bill Nolan
Lieutenants	Drew Davis	Ramond Craddock	Steve Griffin
Drivers	Bill Lyons Rusty Boman Elton Butcher Jack Bell	Jason Jackson Kyle Smith Les Albright Jeff Tanner	Johnny Saunders Alan Teague Tyson Allen
Firefighters	Pete Garcia Adam Wilcox Rhett Amburn	Lonnie Hollabaugh Tim Carter	Bill Banks Jay Alejandre

The Amarillo Fire Department maintains 52 additional ARFF-trained personnel located at other AFD fire stations that are spread across the three shifts. They are all cross-trained in Aircraft Rescue and Fire Fighting duties and responsibilities in order to cover ARFF personnel that are on vacation, sick leave, military leave, etc.

Equipment assigned to and in use at Fire Station 10 includes:

- Red 1 – 4x4 Suburban command vehicle
- Red 2 – Reserve ARFF apparatus
- Red 3 – ARFF apparatus
- Red 5 – ARFF apparatus
- Engine 10 – Fire engine
- Air stairs – Truck with retractable stairs
- Rehab – One-ton pickup for towing



- Rehab trailer – Enclosed trailer for emergency responders on scene
- Mass casualty trailer – Enclosed trailer with MCI equipment and supplies

Standard, supplemental equipment that responds to aircraft incidents includes the fire department resources located at Fire Station 6 and Fire Station 7.

Equipment in use at Fire Stations 6 & 7 includes:

- Engine 6 – Fire engine
- Engine 7 – Fire engine
- Ladder 7 – 75’ Aerial truck
- Unit 2 – Command vehicle
- Unit 1 – Command vehicle

A first alarm response to aircraft incidents at the Rick Husband Amarillo International Airport include two ARFF apparatus, two command vehicles, two fire engines, one ladder truck, and the program administrator. The total of trained employees that will respond on a first alarm is seventeen personnel, minimum.

A second alarm response to aircraft accidents include the first alarm response noted above, two additional fire engines, an additional command vehicle, and the fire department command staff. At least sixteen additional personnel will respond to a second alarm.

**Performance Targets:**

- The Rick Husband Amarillo International Airport operates at an ARFF Index level B in accordance through the Airport Certification Manual and guidance of Federal Aviation Regulations (FAR) Part 139.315. AFD exceeds Index B at Fire Station 10 by providing two 24-hour staffed ARFF vehicles with 1500 gallons of water, a commensurate amount of foam, and 500 lbs of dry-chemical agent.
- The Amarillo Fire Department ARFF group will respond to aircraft emergencies on the airport or within 5 miles of the airport with all first alarm resources within 15 minutes, at least 90 percent of the time.
- FAA performance emergency response test runs of required ARFF vehicles. First unit must respond to the midpoint of the farthest runway in 3 minutes or less. All other required units must arrive in four minutes or less.
- Pass the annual FAA inspection consisting of emergency response test runs, timed practical demonstrations (donning PPE and airpack), and competency exams both oral and written.

- Provide ARFF apparatus foam testing documentation, dual agent (combined foam and dry chemical) application testing documentation, and fire extinguisher testing documentation in compliance with FAA regulations.
- Participate in the annual test of the Airport Emergency Plan. Typically, this is completed with a tabletop exercise. However, once every three years a full participation, real-time scenario based event is conducted. This event is referred to as the “3 year exercise.”
- Develop and maintain a comprehensive Proximity Personal Protective Equipment (PrPPE) cleaning, inspection, and repair program to meet the Texas Commission on Fire Protection (TCFP) compliance requirements.
- Design and construct additional training props for advancing the skills of ARFF personnel.
- Maintain the Rehab resources for the Amarillo Fire Department (managed by the District Chief of Safety).
- Support the training division with personnel and equipment to assist in training evolutions conducted at the AFD training facility located adjacent to the Rick Husband Amarillo International Airport, as needed.

**Fire Station 10 Statistics for 2009:**

- The Amarillo Fire Department responded to 57 incidents on-airport property including medical emergencies, hot engine refueling, aircraft emergencies, and aircraft accidents.
- A total of 310 emergency calls occurred in District 10.
- The AFD responded to twenty-eight aircraft emergencies in the air.
- Call volume by unit (includes out of district responses):
  - Red 1 – 67
  - Red 3 – 32
  - Red 5 – 29
  - Engine 10 – 263
  - Rehab – No info available



**2010 Accomplishments:**

- Establish annual recurrent training manual
- Research and obtain additional ARFF training resources. New information resources include:
  - FAA Computer Based Training program
  - D.O.D TO 00-105E-9 Military Aircraft Crash Rescue Information
  - Crash charts and manuals from Continental/United Express and Delta
  - FAA and custom-built Ballistic Parachute class (233.18)

- NFPA manuals pertaining to fuel safety, electrical code, and fire safety as references in FAA ARFF Advisory Circulars
  - Acquire full-size cockpit posters of typical aircraft through AIA
- Revise ARFF SOP's, SOG's
- Added FAR 139 and TCFP-required training, including:
  - Part 139 Airfield Familiarization training for all badge-holders
  - Escort procedural training for all badge-holders
  - Airfield Inspection/Reopening for 2 personnel per shift
  - Part 139 Fuel Inspection training for Capt Deupree
  - Part 139 Fuel Inspection training Deputy Fire Marshals Bourquin and Diaz
  - Lion PrPPE certified cleaning and inspection training for myself (Capt. Nolan & Lt. Davis has begun this.)
  - TSA Authorized Signatory training (Myself and Capt. Nolan)
- Develop new ARFF training tracking procedures (FAA compliant)
- TSA badge ARFF 44 personnel – Added Driver Cert and Escort Cert to all badges
- Conducted 2 badge audits during the year
- TSA rebadged all ARFF employees
- Instituted annual inspection process for proximity gear (NFPA 1971)
- Revised PrPPE tracking process, including FireRMS data entry
- Write new specs to streamline the order process and reduce costs of new PrPPE
- Worked with IT to create forms to identify annual needs and trends for PrPPE
- Ordered 18 sets of Proximity Gear (two orders)
- Participate with OEM and Dept of Aviation in the revision process for Annex AA
- Active-role participant in Manned Portable Air Defense Systems table-top exercise
- Revise Airport Certification Manual (ACM) Sections G and F to conform with new regulations, International Fire Code, Changes to Annex AA, and AFD operating procedures
- Develop new training props to improve ARFF skills
  - Affix plywood panels to aircraft deck to practice operating the snozzle
- Provide night operations classes for airport familiarization and apparatus ops
- Participated in Annual FAA Inspection
- Upgraded E10 to ALS capabilities with equipment and EMT-I or EMT-P
- Develop class and materials for training Red 1 officers to manage staging events
- Develop class and materials for training Station 6, 7, and swing officers to manage staging at ARFF Incidents
- Train senior firefighters in the ARFF program to operate Red 5 and Red 2
- Train junior firefighters in ARFF program to operate and set-up Rehab
- Research, bid, coordinate, etc. getting Red 3 tires replaced (\$8400)
- Major repairs to Red 4
- Added equipment and training to fire extinguisher program to all for service and maintenance of Class BC and Class D extinguishers (previously we could only handle Class A and Class ABC).
- Lobby TCFP for removal of PrPPE requirements from live fire for non-station 10 assigned personnel and the ARFF Academy

## **2011 Program Goals:**

- Train 2 personnel per shift for PrPPE cleaning and Inspection
- Train 2 new Lieutenants to replace LT. Pierce and Lt. Griffin
- Transfer evaluation of Station 10 officers to ARFF DC.
- Update Aircraft Familiarization class to reflect current aircraft at AIA
- Order 8 sets of proximity gear
- Continue training on Airfield Familiarization, Aircraft Familiarization, Communications, and ARFF Tactics
- Revise and train on Grid maps
- Develop CBTs for all NFPA recognized ARFF skills, evaluate all ARFF members on CBTs
- Develop Operator/Training manuals for each ARFF vehicle
- Add training props including live fire prop, piercing prop, & driving obstacle course
- Install fire extinguisher mounts in Red 1 for 2 ABC, 1 A, and 1 D extinguishers
- RE-establish ARFF Academy program. Develop ARFF instructors.
- Develop 4 hour CE class for non-ARFF member / Structural Company Response to ARFF Incidents
- Purchase new IFSTA ARFF Manuals for Station 10 library / group training
- Replace / update classroom furniture, bulletin boards, training materials
- Move old classroom furniture to closet on west end of truck room, to be used for reception area and diverted passenger area furnishings.
- Get a grass rig and/or Rapid Response Vehicle permanently assigned to FS 10
- Move the 727 to the drill field and repair it

## **Equipment needs (new / existing replacement):**

- Replace communications system inside and outside of station
- New tires on Red 2 (They are 9-10 years old, wrong tires, and bald in spots.)
- Second base-unit ARFF radio for Red 1
- Laundry facilities – Extractor and drying racks to more economically maintain NFPA & TCFP compliance for PrPPE
- Piercing prop
- 4 portable FAA radios – 1 for me, 1 for Station 7, 1 for Station 6, and one spare for when ARFF is using reserves that do not include FAA Radios.
- New classroom tables & chairs
- Fire training prop for Interior Fires (will replace pit fires every other year)
- Replace Red 1 with a Crew cab command / Rapid Response Vehicle. Capabilities include 200 gal water & foam, fire extinguishers, TIC, laptop computer, GPS, multiple radios, 4x4, response into parking garage, dash cam linked to internet, IR

## **Program Budget changes:**

- With the potential increase in the cost of fuel, I recommend that we increase the budget for live-fire fuel. We use about 3000 gallons of fuel per year to train the 95 personnel assigned to the ARFF program. Fuel is projected to be about \$5 gall by summer 2011. That would equate to \$15000 in fuel or about \$150 per individual. To send personnel to another facility would cost

about \$300 for the live fire class plus travel and meal expenses. (Recommend raising fuel from \$8000 to \$13,400.)

- Increase annual budget for PrPPE from 7 sets of gear (currently \$17,255) to 9 sets in order to accommodate staffing and rotating Paramedics (\$2500 per set \*9 = \$22,500).
- Increase budget for foam and chemical. FAA requires dual agent application testing of each ARFF vehicle, annually. This generally equals 100 gallons of 3%, 200 gallons of 6%, and 1500 lb. of chemical discharged annually. The budget allows for \$9 per gallon of AFFF (\$2475) and \$1 per pound of Dry chemical (\$800). AFFF is projected to cost \$11 per gallon; dry chemical was last purchased in November 2010 for \$2.50 a pound. Also, the chemical manufacturers had stated we cannot mix vendor product in the same vehicle. Additionally, we have about 7 barrels of foam that cannot be used because the labels are missing. We cannot identify what percent foam or vendor. FAA does not allow the use of ATC AFFF therefore we must stock our own foam reserves. The national standard for on-hand foam and chemical is double what the vehicles will carry. (That would equal 3000 pounds of dry chemical, 800 gallons of 3% AFFF, and 760 gallons of 6% AFFF.) Recommend foam be increased to \$11,400 for AFFF and \$8750 for dry chemical.
- Increase travel budget to \$5000 since airport has stopped splitting costs.
- Add funding for NFPA, IFC, and API standards necessary to inspection and enforcement of Fuel Safety program, \$500.
- Funding to buy or build ARFF Aircraft Interior fire simulator, unknown cost.
- Funding to move the 727, repair, and tie into electrical, \$10,000 est.

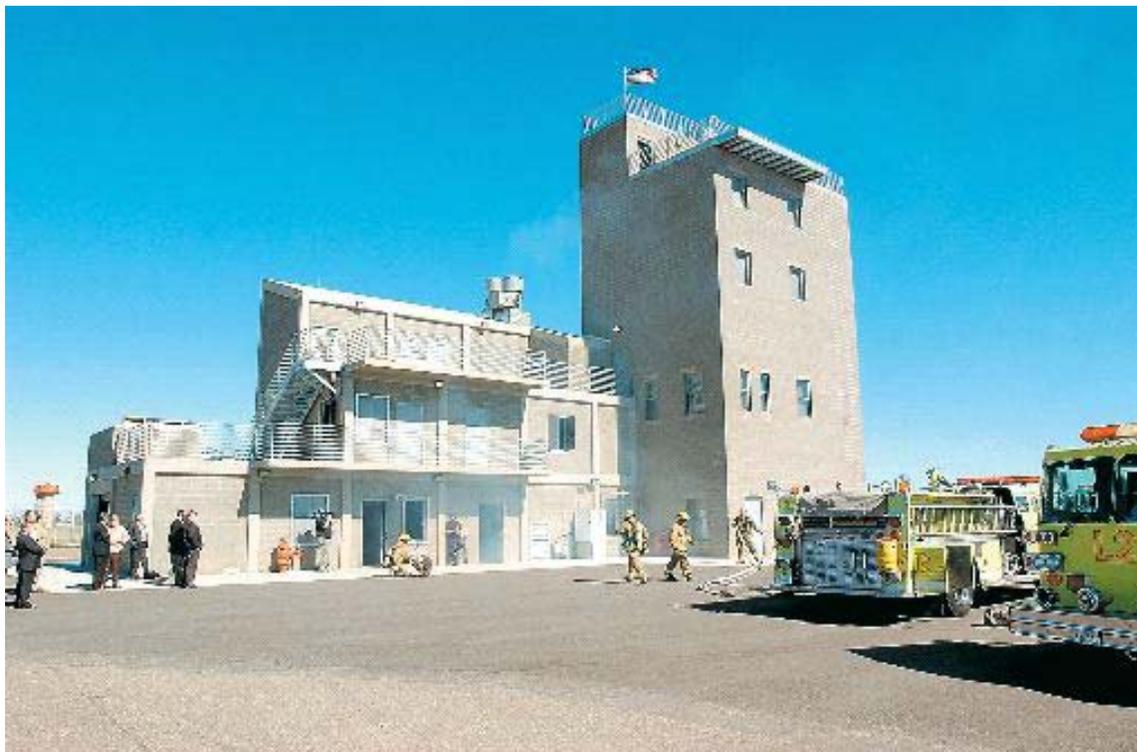
#### **Training needs:**

- **Days on the Training calendar? 3 per shift –**
  - 2 days for hands-on frill days
  - 1 day for FAA required live fire training
- **Out of town classes?**
  - ARFF EVOC (Emergency Vehicle Operator Course) - ARFF Vehicle Specific at DFW (24 hr course)
  - ARFF Aircraft Incident Management at DFW (16 hr course)
  - ARFF Working Group Annual Conference (September)
- **Targeted personnel classes?**
  - DC. Baucom –
    - ARFF Working Group Conference and training (Travel) or
    - ARFF Aircraft Incident Management at DFW (Travel)
    - EFO (Travel)
    - Authorized Badge Signatory Training (Airport Ops)
  - A-shift Capt. Faulkner –
    - PrPPE Inspection and Cleaning Cert. Training (free online)
  - A-shift Lt. Davis –
    - Foam Testing training (in-house)
  - A-shift Drv. Boman –
    - PrPPE Inspection and Cleaning Cert. Training (free online)
  - A-shift Drv. Butcher (replacement for Hunter) –

- Airfield Familiarization and Communications (in-house)
  - Comprehensive Red 5 & Red 3 operator training (in-house)
  - Rehab unit operator training (in-house)
  - PrPPE Inspection and Cleaning Cert. Training (free online)
  - ARFF EVOC at DFW (Optional) (Travel)
- **A-shift FF. (replacement for Alvarado) – ?**
  - Airfield Familiarization and Communications (in-house)
  - Comprehensive Red 5 & Red 3 operator training (in-house)
  - Rehab unit operator training (in-house)
- **B-shift Capt. Deupree –**
  - Annual Fuel Safety Training (in-house)
  - TCFP Fire Service Instructor II
- **B-shift Lt. Craddock**
  - Airfield Inspection / Runway re-open training (Airport Ops)
  - Drill Tower Maintenance and Inspection training (in-house)
  - PrPPE Inspection and Cleaning Cert. Training (free online)
  - Red 1 Major Event Staging Manager training (in-house)
- **B-shift Drv. Albright –**
  - PrPPE Inspection and Cleaning Cert. Training (free online)
  - ARFF EVOC at DFW (Travel)
- **B-shift Drv. Jackson –**
  - Airfield Familiarization and Communications (in-house)
  - Comprehensive Red 5 & Red 3 operator training (in-house)
- **C-shift Capt. Nolan –**
  - ARFF Working Group Conference and training (Travel) or
  - ARFF Aircraft Incident Management at DFW (Travel)
  - Prop maintenance training (in-house)
  - Authorized Badge Signatory Training (in-house)
- **C-shift Lt. (for Griffin) – Klusmeyer?**
  - Airfield Inspection / Runway re-open training (Airport Ops)
  - Fire Extinguisher Inspection and Service training (in-house)
  - PrPPE Inspection and Cleaning Cert. Training (free online)
- **C-shift Drv. Saunders –**
  - PrPPE Inspection and Cleaning Cert. Training (free online)
  - ARFF EVOC at DFW (Travel)
- **C-shift Drv. Albracht –**
  - Airfield Familiarization and Communications (in-house)
  - Comprehensive Red 5 & Red 3 operator training (in-house)
- **C-shift Drv. Allen –**
  - Airfield Familiarization and Communications (in-house)
  - Comprehensive Red 5 & Red 3 operator training (in-house)
- **C-shift FF. (for Williams) Alejandro**
  - Airfield Familiarization and Communications (in-house)
  - Comprehensive Red 5 & Red 3 operator training (in-house)
  - Rehab unit operator training (in-house)
- **Swing? Lt. Campbell –**
  - ARFF Staging training
  - TCFP Fire Service Instructor II
- **Swing? Lt. Orr –**
  - FAR 139 training (11 subjects and Pit Fire)
  - Pit Fire Fuel Operator (in-house)

- TCFP Fire Service Instructor II & III?
- **All ARFF Drivers & Station 10 Firefighters –**
  - ARFF Vehicle CBTs and evals (in-house)

## TRAINING DIVISION



### **2010 Certifications**

The mission of the Amarillo Fire Department is to protect lives and property in our community by providing the highest quality of professional services. The primary objective of the Training program is to assure that all AFD members have the knowledge and skills necessary to safely and efficiently fulfill this mission.

The vast majority of the training the AFD does is in-house. District Chief Bill Risner & Captain Dennis Eaves direct the Training program under the supervision of Deputy Chief Rick Blandford. The Department has 97 personnel certified as Instructors by the Texas Commission on Fire Protection. This certification allows training to be conducted within the Fire Companies at their assigned Fire Stations. In addition, the Texas Fire Commission further certifies 48 of these instructors as Field Examiners.

The Department has 210 ARFF, 172 Haz-Mat, 96 Driver/Operator Texas Commission on Fire Protection certified personnel. Further, 12 of the Department's personnel are certified by Texas Department of State Health Services as Paramedics, 4 as EMT-Intermediate, and 218 as EMT-Basic.

## **Program Goals:**

- Train new firefighters to the expectations of the department, their officers, peers, and our community.
- Increase our knowledge base in all areas of emergency response, maintain the required lessons and hours needed for certifications and licensures, and prepare our firefighters for numerous types of emergencies. This will be through hands-on, in house, and web-based training.
- To maintain existing training buildings, props, equipment, and services. We also wish to increase new training areas to include the following:
  - Rescue operations area
  - Increase the class A burn area or new buildings
  - Appropriate and set up a computer- based fire training program such as “Flame Sim” or etc. to complement our strategic, tactical, and task training for our officers and soon to be officers. This program would be a great benefit for not only the AFD but all area departments as well.
  - Receive additional training from outside venues, such as FDIC.
  - Continue with the goals of the cadet and intern programs.
  - Appropriate and/or coordinate the use of a part-time person once a week to do maintenance at the training facility.
  - Set up an ARFF class each winter for AFD personnel who the department deems necessary to attend.
  - Continue to maintain the training calendar.
  - Build upon the coordination between Amarillo College and the Amarillo Fire Department to develop a better academic fire administration and protection program.
  - Continue with culture diversity classes.

## **Needs:**

**Examples** of maintenance needs at the training facility include the following:

- Outside risers, water pump, sprinkler valves, etc. all need repair, packing, stem maintenance.
- Numerous electrical lights, outlets, in tower, truck room and parking lot need to be replaced, and fixed.
- Desperate need for locksmith or general contractor to fix doors that will not stay shut, or are too tight to open correctly.
- Painting on tower doors and piping, SCBA trailer, fuel and propane tank.
- Weed control and a more regular mowing schedule by airport or a department owned mower.
- Work on the propane props, valves.
- Replace smoke fluid containers in Kidde trainers.
- AC hook-up in the trailers

**Budget Changes:**

- Increase funds for cadets due to EMT-I certification needs
- Increase Kidde maintenance funds to cover increased cost
- Add money for maintenance of tower water systems
- Increase smoke generating fluid funds by 10%
- Budget for signs at training facility and more flags
- ? Where does money for Team Brian, mentoring committee, and family matters classes come from?
- Part time Zip Dog for tower use.
- Equipment for getting T-50 and G-32 ready for emergency response
- Internet, TV, access for trailers

**Proposed Long Term Budget Needs:**

- Rescue Operations pad,
- Hydrants along Haz-Mat road
- Class A smoke house or addition to existing burn building
- SCBA trailer improvements Additional lighting to parking and work areas

**Conclusion:**

**While the AFD is now involved with EMT-I training and does not have the resources to do much hands-on training at this time, we should continue with in-house training and continue to improve our training facility. As a leader in the panhandle it is imperative to train all firefighters to be knowledgeable, skillful, professionals. There is a great need to improve on our High-Rise building tactics and strategies, and implement training in a true high-rise building.**

# **AMARILLO FIRE DEPARTMENT**

## **Support Services**

## ***SUPPORT SERVICES***

Support Services is responsible for the administration and support of all personnel, facilities, apparatus, and equipment on the department. Deputy Chief Monty Owens is in charge of this effort and the budget process that supports these areas.

Support Services is further divided into several different programs. These programs are each managed by a supervisor that reports to Chief Owens. The programs are:

- **Communications** – District Chief Jeff Greenlee directed the communications program in **2010**.

This program includes the computer network between all fire facilities to enable information access and transfer. Additionally, various hardware and software systems, such as the Computer Aided Dispatch System (CAD), interact to collect, share and utilize data on fire department responses, training and operations. Information and data are utilized by or provided to supporting systems within the department and intergovernmental agencies, such as the 911-telephone system, state fire incident reporting collection agency, and the AFD facilities. The program also supports and provides first level PC support, implements new software solutions and modules and provides training for those systems. Carl Smith is assisting Chief Greenlee as the IT liaison for Fire Department systems.

Communications also coordinates all other modes of communications including the radio systems and actual fire department response (Fire Dispatch). Lt. Roy Deupree is the Dispatch Supervisor and assists Chief Greenlee in these areas. Fire Dispatch was moved to the combined Amarillo Emergency Communications Center in October 2009.

- **Safety and Health** - The safety and wellness of our members is a leading focus for the department. Through the Department's Health and Safety Officer, the firefighters' physical and mental well-being is addressed. Insuring our personnel are healthy, fit, and have appropriate safety equipment improves the quality of life for each member and the effectiveness of our department. District Chief Tracy James directed the Safety program in **2010**. Department personnel from Station 4, 6, 7, and 10, as well as the department's Safety Committee, support him. Captains at the above mentioned stations that deserve recognition for their effort in managing programs are; Capt. **Jason Mays**, Self Contained Breathing Apparatus (SCBA); Capt.

Kerry Fahnert, Fitness; Capt. Mike Rhoads, Personal Protective Equipment (PPE); and Capt. Mike Faulkner, Rehabilitation. Capt. Dennis Eaves also assists in the Health Program.

The AFD Safety Officer oversees seven programs within Safety:

1. Safety Officer (Health/Safety Officer and Incident Safety Officer)
2. Safety Committee
3. Self-Contained Breathing Apparatus
4. Critical Incident Stress Management
5. Personal Protective Equipment/Uniforms
6. Rehabilitation
7. Fitness Program

## COMMUNICATIONS

### **Accomplishments 2010:**

- Through a grant process, we were able to upgrade all of the front line truck portable radios with the Motorola XTS5000 handhelds, improving communications, preparing for future growth and increasing firefighter on-scene safety.
- We coordinated the installation of a new alerting system into all current stations with plans in place for the system to be installed in all new stations.
- Collected data and assimilated that data into an annual report for AFD and a report to be sent to the NFPA.
- Generated run data on AFD responses on a monthly basis for export to the Texas State Fire Marshall's office.

### **2011 Program Goals:**

- Use further grant funds to replace all of the remaining Motorola MT2000 handheld portable radios with the newer Motorola XTS5000s.
- Replace the current PA systems in stations 2, 3, 4, 5, 7, 9 and 10
- Create a working group to provide recurrent training and increase coordination and cooperation between AECC and AFD members with the outcome being a more focused community oriented team approach to providing for public safety.
- Acquire laptop computer for Training Division
- Work with AECC members to support time measurable benchmarks to reduce the time from the moment the emergency call is taken until we have apparatus en-route to the call with the goal of creating a team oriented approach to public safety and customer service that improves all members of our response community's performance objectives. The end point will be reached after a series of desired, performance based, objectives to include 90 seconds to dispatch after a call is received by May 15<sup>th</sup> 2010, 90 seconds 90% of the time for Aqua performance by May 15<sup>th</sup> 2010, 90 seconds 95% of the time at a time to be announce and 60 seconds to dispatch from the moment the call is taken also at a time to be announced.

### **Response needs (manpower / support required):**

- Continued support from AFD members for the maintenance and review of texfirs.
- Recruit a team of communications program officers to be a working group as mentioned above for training, liaison and inter/intra departmental team building.

**Equipment needs (new / existing replacement):**

- Motorola XTS5000 portables to replace all existing MT2000s.
- Upgrades to Command Unit mobile radios to allow for better personnel accountability on the fire ground by allowing for the capability to track, by individual, which member is experiencing a potential life threatening situation such as being lost or trapped.
- PA system components for the replacement of existing systems in stations 2, 3, 4, 5, 7, 9 and 10.
- Various training adjuncts to support the working group.
- More Impres portable radio batteries to provide for the inevitable failure over time of the batteries we currently utilize. This will allow us to gather a few batteries each budget cycle to reduce the financial impact the department would encounter if we failed to strategically plan and were looking at the replacement cost of all existing batteries at one time.

**Program Budget changes:**

- A sizeable increase to provide for the listed station's existing PA systems.
- Line item adjustments to fund the various requested equipment/supply needs.

**Training needs:**

- Days on the Training calendar? No extra days specifically for communications training this year. We will integrate the training needs and evaluation into whatever training evolutions become available.
- Out of town classes? The Zoll Summit May 9<sup>th</sup> – 13<sup>th</sup> along with the various seminars or trade shows that might become available throughout the year to increase knowledge and create communication channels with other departments and agencies for information sharing.
- Targeted personnel classes? None anticipated.

## **SAFETY AND HEALTH PROGRAM**

**Director: Chief Rhoton**

### **Accomplishments 2010:**

#### **HEALTH AND SAFETY OFFICER:**

- Reviewed and revised safety SOG's
- Developed Stand Down for Safety annual training material
- Created calendar schedules for physicals and lab work for 244 personnel.
- Oversee testing all personnel for TB.
- Oversee administration of flu vaccine to personnel
- Oversee administration of Hepatitis A and B inoculation program.
- Administered extended sick leave, light duty, and return to work program
- Continued to serve on monthly City Accident Review board meetings
- Worked with ISI on problem resolution and resultant component upgrade for the Teams units.
- Represent Fire Department on City of Amarillo Safety Steering Committee monthly meetings.
- Chaired AFD Safety Committee meetings.
- Monitored apparatus safety issues with Fleet supervisor
- Purchased exercise equipment as needed for replacement
- Developed safety based trimester lesson plans each trimester
- Certified station 4 officers as SCBA technician trainers to recertify our own personnel saving us money from having to pay ISI to come do it every 2 years.
- Restructured safety committee members to accurately represent programs
- Implemented uploading OJI injury information to Texas Commission website as required by TCFP
- Donated used exercise equipment to AECC department.
- Taught safety class to 14 new employees
- Processed sizing, ordering, payment, and distribution of dress uniforms for new hires.
- Trained new backup safety officer Barry Robinson to replace Robert Rhoton
- Purchased training material and State certified Jason Mays as an Incident Safety Officer
- Developed specs and purchased exercise equipment for the new fire stations
- Purchased filters for our new SCBA mask and donated to the Hazmat program
- Purchased filters for our new SCBA mask and donated to the Rescue program
- Developed new budget for Safety Program
- Purchased and presented safety awards at annual Awards banquet
- Purchased I.D. badges, accountability tags, and helmet names as needed
- Compiled and uploaded safety committee meeting minutes to R: drive after meetings
- Tabulated injury reports information into Excel spreadsheets.
- Tabulated vehicle accident reports information into Excel spreadsheets.
- Updated Teams database periodically on laptops in the command units and communication office.
- Purchased a new type of anti slip footwear (Stabilicers) similar to Yaktrax to run a trial test.
- Compiled Annual Report for safety programs

## **SAFETY COMMITTEE**

- Reviewed, researched and gave recommendations for injury and accident reports
- Added a communications position on the safety committee
- Brought up snowdrift problem on station 7 roof endangering citizens at entrance and City fixed it.
- Readdressed door buzzer problems with Fleet Supervisor
- Drafted a letter supporting a new position at the Fire Marshalls office for a new employee to help with fire alarm problems.
- Brought up idea to Chief Risner to put medical gear on all grass and wildland rigs
- Placarded more trucks with weight and height. Also placed speed limit label on dash for WL3 and 7 due to tire rating.
- Brought up safety issue with 2 persons trying to raise a 30 ft ladder. Requested an SOG for it.
- Reviewed and revised AFD SOG procedures to maximize personnel safety

## **CHAPLAIN / PEER COUNSELING PROGRAM**

Added new EAP facility program to fire dept and educated peer counselors on it.

## **SCBA PROGRAM**

- Trained/certified majority of Station 4 personnel for airpack repair
- Noted department-wide improvement in battery changes and usage/maintenance of airpacks
- Noted improvement in TEAMS operation through ISI representative supervised company drills
- Purchased new particulate filters to use on our current masks for all the grass rigs and distributed/provided training for air respirators placed on Grass Rigs
- Retrofit/upgrade of all facemask and backframe assemblies with more durable components
- Upgraded each RIT Bag
- Annual fit-test and flow-test conducted department-wide
- Specifically designed SCBA bottle carrying straps added to each front line truck
- TCFP inspection of SCBA program completed/passed without deficiencies.

## **PPE PROGRAM**

- Maintain adequate stock of up to date PPE for issue.
- Remove PPE coat and pant over 4 years old from service.
- Update NFPA 1851 records as required by TCFP.
- Research and obtain station uniform trousers that meet NFPA standards and will be available in all sizes.
- Perform 1 routine inspection and 1 advanced inspection on all PPE.
- Perform field tests on leather boots and gloves.
- Train new #7 officers pertaining to NFPA 1851

## **REHABILITATION PROGRAM**

- Update expenditure spreadsheet as needed for year 2010.
- Purchase and stock supplies as needed to replenish expendable stock.
- Communicate with crews after rehab usage to gather ideas on improving services.
- Update operational procedures as needed

## **FITNESS PROGRAM**

- Participated in Continuing Education Credit (CEC) program through American Council on Exercise (ACE) for Peer Fitness Trainers (PFTs) to maintain certifications
- Coordinated with stations to perform maintenance on their equipment (universals, treadmills, and ellipticals).
- Modified Fitness Evaluations to reflect changes made by national program and performed fitness evaluation on all personnel.
- Provided annual Fitness Evaluation Report with general results and individuals received year-to-year copy of their personal trend.
- Maintained a representative on city's Wellness Program Committee to support city projects.
- Maintained a representative on AFD Safety Committee.
- Assisted in administering the CPAT program

## **Program Goals 2011**

## **HEALTH AND SAFETY OFFICER**

- Continue to identify training needs and solutions within each Safety Program.
- Review and revise safety SOG's as necessary.
- Continue developing annual Stand Down for Safety training
- Continue providing physicals to all personnel.
- Test all personnel for TB.

- Administer flu vaccine to personnel requesting one.
- Continue Hepatitis A and B inoculation program.
- Administer extended sick leave and return to work program
- Continue to serve on the City Accident Review board.
- Serve on City Safety Steering Committee.
- Continue to chair AFD Safety Committee
- Monitor apparatus safety issues.
- Staff new fire stations with exercise equipment
- Continue to include safety information in the trimester lesson plans
- Purchase out of service hydrant markers
- Purchase each employee wildland safety goggles
- Replace SCBA compressor at station 4

### **SAFETY COMMITTEE**

- Continue accident review, research and practical recommendations.
- Review and revise AFD procedures to maximize personnel safety
- Place SCBA padding on several trucks to protect hosemen in back from striking scba in accidents.
- Champion getting command aids for Chiefs units to prevent accidents from looking at the laptops while driving.
- Continue pushing for a new drivers program.
- Implement a new type of ratcheting hydrant wrench
- Purchase fitness magazines and or cookbooks for stations

### **SCBA PROGRAM**

- Obtain updated annual testing equipment (fit testing/ flow testing)
- Continue ongoing process of training/certification of Station 4 personnel in airpack repair
- Continue ongoing process of improving department-wide familiarity of TEAMS equipment as well as improving efficiency of usage
- Develop trimester classes for Station 4 personnel to provide continued training and to keep each shift on the same page
- Write specs and replace aging SCBA compressor at station 4

### **PPE PROGRAM**

- Transition to Blauer Uniform NFPA Certified Stationwear
- Remove loaner gear from service over 5 years old
- Research bar code NFPA 1851 tracking system.

- Place washer/extractors in 9 fire stations
- Train affected personnel of NFPA 1851 cleaning methods
- Perform mandated NFPA 1851 inspections

## **REHABILITATION PROGRAM**

- Purchase and stock supplies as needed to replenish expendable stock.
- Update expenditure spreadsheet as needed for year 2011.
- Communicate with crews after large incidents to evaluate efficiency and effectiveness of the Rehab trailer to identify areas of improvement.
- Study methods of supplying large scale - long term incidents.
- Update operational procedures as needed

## **FITNESS PROGRAM**

- Certify two Fitness Program personnel as PFT's and work towards having at least three per shift. Some of these personnel will work in other stations to help expand influence and to maintain equipment.
- Conduct Fitness Evaluations on all personnel and complete Fitness Evaluation Report.
- Maintain continuing education program to keep PFT's and Personal Trainers certified and up to date on fitness matters.
- Budget and lobby for replacement equipment and new equipment to replace aging treadmills, ellipticals, and bikes.
- Work with city's Wellness Program Committee to support citywide health improvement and facilitate information flow in our department.
- Purchase equipment for the new Station 12.

### **Response needs (manpower / support required):**

Deputy Chief at operating second alarms to support and back Safety Chief's decisions.

### **Equipment needs (new / existing replacement):**

Treadmill

Elliptical

Recumbent bike

SCBA mask fit tester machine- the one we have is old and has to be restarted several times before it works correctly. We need to replace it.

### **Program Budget changes:**

Start funding the replacement of treadmill, elliptical, and exercise bikes. Most of the time it will not be needed but when it is there needs to be funds there.

### **Training needs:**

- Out of town classes?  
Fitness symposium seminar for two peer fitness trainers. Haven't been able to send them in 3 years to keep up with education and technology changes.  
Safety Officer training class for Chief Rhoton when he takes over this program.
- Targeted personnel classes?
  
- **Fire Apparatus Maintenance**- Danny Dwight oversees the repair and maintenance of all the fire apparatus and fire equipment on the department. This program provides routine preventative maintenance and required annual tests of all engines and ladder companies as well as support vehicles. The program also makes recommendations for new equipment and assists with apparatus specifications, pre-construction conferences and final acceptance.
  
- **Fire Prevention** - Fire Prevention is under the direction of Fire Marshal Terry McKinney. Fire Prevention supports our citizens in protecting their lives and property through fire code enforcement, arson and fire cause investigations, plans reviews for proposed construction projects, fire safety education, and community relations. Fire Prevention is also the point of release for fire incident information to the public and media.
  
- **Support District Chief** – Marc Lusk is the Support District Chief. He writes specifications for fire apparatus with the assistance of the Apparatus Committee. He maintains the replacement schedule, supervises the purchase and construction of apparatus and other vehicles in the fleet. He also takes on “special projects” such as writing grants, budget administration, and coordinates station supply logistics.

## APPARATUS PROGRAM

The Apparatus Program supports the mission of the Amarillo Fire Department's through preventive maintenance, repair, and acquisition of emergency response apparatus, support vehicles, and power equipment. The program is administered by District Chief Marc Lusk, and is assisted by Fleet Supervisor Danny Dwight, Mechanic Foreman Mike Graf, and two mechanics, Kevin Grooms and TBA.

### **2010 Performance Targets**

- Perform and document preventative maintenance on all support equipment twice annually.
- Perform and document brake performance and condition on all emergency equipment twice annually.
- Perform and document preventative maintenance on small equipment.
- Pump test all apparatus annually and document results.
- Ladder trucks will be tested per UL standards bi-annually or after major repairs.

### **2010 Accomplishments**

- Planned and completed repairs on front line equipment with a minimum amount of down time.
- Maintained Fire operational fleet of 41 fire and support vehicles that include:
  - Eleven (11) Engines
  - Four (4) Ladders
  - Four (4) Staff Vehicles
  - Six (6) Grass Vehicles
- Maintained all support vehicles and trailers.
- Maintained the AFD's small power equipment.
- Transitioned the repair and servicing of the AFD hydraulic rescue tools from a private company to the AFD Rescue Program
- Acquired Level III Emergency Vehicle Technician certifications for all mechanics.

## **FIRE PREVENTION**

The Fire Prevention Bureau provides services to assist the public with the prevention of fires through fire safety education, inspection and investigation. One educational program is the “Fire Safety House”, a partnership with the Junior League of Amarillo where elementary age children are taught fire prevention and how to respond correctly in emergency situations. Fire Prevention conducts business inspections and construction plans review. As the law enforcement agency of the Fire Department, the bureau investigates fires and actively pursues the prosecution of arson and other crimes related to fires. Fire Marshal Terry McKinney supervises the activities of the bureau and is supported by Investigator/Inspectors Paul Bourquin, Jacob Diaz, Dennis Gwyn, John Woodward and Fire Inspector Tom Keeler. Fire Captain Wes Hall currently serves as the Community Relations and Public Information Officer for the fire department.

### **Performance Targets**

- Complete inspections of all “target hazards” annually.
- Complete one third of business inspections in a three-year goal.
- "Fire Safety House" program presented to 90% of the third graders enrolled in both public and private schools within the City of Amarillo.
- Permit applications processed within two business days.
- Review and process construction plans within five business days.
- Provide an accessible source for accurate information to our citizens utilizing the media and other available mediums concerning fire department activities in as timely a manner as practical.
- Investigate and determine fire cause in 75% of all incidents in which an investigator is requested.

### **2010 Accomplishments**

- Completed investigation/inspection certification of all personnel assigned to Fire Prevention.
- Conducted fire inspections at all identified “target” or high hazard structures.
- Conducted inspections of facilities annually/bi-annually as required by other agencies for licensure.

- Conducted inspections in all legally operating businesses at a minimum of once every three years.
- Conducted inspections of schools, hotels/motels and major retail facilities during specific time frames.
- Implemented work assignments maximizing all bureau personnel to successfully accomplish inspection program targets.
- Supported the community with public education programs.
- Developed and implemented a Smoke Alarm marketing program utilizing fire apparatus, businesses and other tools.
- Developed and implemented a juvenile fire setter program.
- Developed and implemented competency-based minimum standard continuing education programs for personnel.
- Determined proficiency of all members at least annually within all areas.
- Wrote and implemented program guidelines, goals, objectives and procedures for all Fire Prevention services.
- Reviewed and processed construction plans within five business days.
- Permit applications processed within two business days.
- Provided reliable release of information services.
- Implemented work assignments maximizing all bureau personnel to successfully accomplish investigation program targets.
- Investigated and determined fire cause in 75% of all incidents in which an investigator is requested.
- Was on scene when requested within 45 minutes.

- Updated databases
- Developed and produced an annual report that outlines the goals, accomplishments, and statistics for Fire Prevention.

**Fire Safety Education**

	<b><u>2010</u></b>
• Programs	441
• Attendees	12,712
• Hazard Abatement Surveys	31

**Inspections**

	<b><u>2010</u></b>
• Inspections Total	1763
• Priority	646
• Re-inspections	301
• Licensing	230
• Complaints	10
• Fire Protection Systems	58
• Construction Final	38
• Beer/Alcohol	480

**Plans**

	<b><u>2010</u></b>
• Plans Reviewed	75

**Plats**

	<b><u>2010</u></b>
• Plats Reviewed	75

**Permits Issued**

	<b><u>2010</u></b>
• Construction	65
• Operational	10

**2011 Goals**

- Update program guidelines, goals, objectives and procedures for all Fire Prevention services.
- Acquire, implement and train inspection personnel on mobile inspection database.

- Complete inspections of all “target hazards” annually.
- Complete one third of business inspections in a three-year goal.
- "Fire Safety House" program presented to 90% of the third graders enrolled in both public and private schools within the City of Amarillo.
- Permit applications processed within two business days.
- Review and process construction plans within five business days.
- Provide an accessible source for accurate information to our citizens utilizing the media and other available mediums concerning fire department activities in as timely a manner as practical.
- Investigate and determine fire cause in 75% of all incidents in which an investigator is requested.

**Amarillo Fire Department  
Fire Marshal's Office**

**2010 Fire Investigation Statistics**

<b>Fires Investigated</b>	<b>220</b>
<b>Est. Dollar Loss</b>	<b>\$ 2,055,257</b>

Accidental	54	(\$ 919,400)
Intentional	81	(\$ 313,765)
Undetermined	61	(\$ 822,092)
Other**	<b>24</b>	(\$ 0)

**Civilian Fire Deaths/ Injuries (Fires investigated by the Fire Marshal's Office)**

Deaths	2
Injuries	15

**Of the 81 Intentionally set fires:**

Felony Offenses	55
Misdemeanor Offenses	26

*Active Investigations	28	(35%)
*Cleared by Arrest	18	(22%)

*Exceptionally Cleared	2	(2%)
*Inactive	33	(41%)

**Persons Arrested in Cases CBA** **22**

Adult Felony Arrests	6
Adult Misd. Arrests	10
Juvenile Felony Arrests	4
Juvenile Misd. Arrests	2

**Cases Exceptionally Cleared** **2**

Prosecutor Declined	0
Juvenile under 10 y.o.	0
Death of Offender	2

\* -Active Investigations are on-going investigations at the time of this report. Cleared by Arrest is where a suspect(s) were placed in custody and a case filed with the appropriate court. Exceptionally Cleared means that the offender was identified but was not arrested or filed on due to certain circumstances. Inactive cases have no further leads to be followed-up on.

\*\* - Incidents where a fire was ruled accidental but was the result of a Fire Code violation or Amarillo PD initiated an Incident Report for a Fire Code violation or other non-fire offense and the Fire Marshal's Office was assigned the case.

**The following pages contain Fire Investigation Statistics for calendar years 2005 through 2010.**

There are several items for further consideration.

The number of fire deaths and injuries remained at historically low numbers. Two fatalities during 2010 was certainly a disappointment after investigating zero fatalities during the previous year, a number which eluded the department since 1972.

The estimated dollar loss to property decreased by more than \$300,000.00 over 2009. This is the third consecutive year of decrease for this category. Please keep in mind that the property loss numbers are estimates only and usually change when the final losses have been recorded through the insurance claims process for each respective property.

The total number of fire investigations decrease by 24% during 2010, which followed a 5-year increasing trend. Of the cases initiated during 2010, 35% remained active and investigators began the year 2011 with the increased case load.

Historically, the numbers for intentionally set fires may rise and fall annually and 2010 numbers seem to continue that pattern of inconsistency.

Further review and evaluation of multi-year statistics is certainly necessary to help determine if appropriate resources are being utilized to the most effective means, for the prevention of fires, and the pursuit of fire criminals.



**Amarillo Fire Department**  
Fire Marshal's Office

Fire Investigation Statistics 5 -Year Comparison

Year	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
<b>Fires Investigated</b>	<b>309</b>	<b>251</b>	<b>289</b>	<b>290</b>	<b>220</b>
<b>Estimated Dollar Loss</b>	<b>\$ 5,467,903</b>	<b>\$ 9,264,275</b>	<b>\$3,623,994</b>	<b>\$2,383,910</b>	<b>\$2,055,257</b>
Accidental	98 (\$ 2,369,315)	77 (\$ 6,314,390)	93 (\$ 1,686,131)	102 (\$ 1,154,845)	54 (\$ 919,400)
Intentional	128 (\$ 1,041,457)	118 (\$ 1,173,717)	106 (\$ 328,323)	127(\$714,661)	81(\$ 313,765)
Undetermined	76 (\$ 2,057,131)	54 (\$ 1,776,168)	89 (\$ 1,609,540)	58(\$514,404)	61(\$ 822,092)
Other**	7 (\$0)	2 (\$ 0)	1 (\$ 0)	3 (\$ 0)	24(\$0)
<b>Civilian Fire Deaths/ Injuries</b>					
Deaths	4	7	3	0	2
Injuries	38	41	29	23	15
<b>Intentionally Set Fires</b>					
Felony Offenses	98	71	48	80	55
Misdemeanor Offenses	30	47	58	47	26
*Active Investigations (at year end)	53 (41%)	38 (32%)	21 (20%)	66 (52%)	28 (35%)
*Cleared By Arrest (at year end)	22 (17%)	24(20%)	17 (15%)	22 (17%)	18 (22%)
*Exceptionally Cleared (at year end)	7 (6%)	8 (7%)	8 (8%)	4 (3%)	2 (2%)
*Inactive (at year end)	46 (36%)	48 (41%)	60 (57%)	35 (28%)	33 (41%)

Note: Percentages may not equal 100% due to rounding.

\* -Active Investigations are investigations that were open at the end of the specified year. Cleared By Arrest is where a suspect(s) were placed in custody and a case filed with the appropriate court. Exceptionally Cleared means that the offender was identified but was not arrested or filed on due to certain circumstances. Inactive cases have no further leads to be followed-up on.

\*\* - Incidents where a fire was ruled accidental but was the result of a Fire Code violation or Amarillo PD initiated an Incident Report for a Fire Code violation or other non-fire offense and the Fire Marshal's Office was assigned the case.

## **SUPPORT OFFICER**

The Support Officer is a District Chief position at the Amarillo Fire Department. The person filling this position reports to the Deputy Chief of Emergency Response. The major responsibility of this position is to manage the non-salary portion of the AFD's Budget, provide financial and budgetary reports to facilitate administration decisions, support the construction and remodeling of new fire stations, and purchase and maintain fire apparatus.

In addition, the Support Officer is responsible for maintaining AFD facilities and coordinating with other program managers to purchase equipment. The Fleet Supervisor in charge of the AFD's Fleet Maintenance Facility reports to the Support Officer.

Additional duties include special projects, such as grant writing, supporting the Incident Management Team as a Planning Section Chief, and teaching officer and chief officer development classes.

The Support Officer in 2010 was District Chief Marc Lusk.

### **2010 Accomplishments**

- Budget
  - Managed 2009-2010 Budget
  - Assisted with 2010-2011 Budget process/development
  - Coordinated with other AFD program managers to purchase equipment
- Facilities
  - Assisted with Central Fire Station remodeling, purchasing of equipment/furnishings, and facilitating crew's return to this station
  - Supported the building of Fire Station #8, purchasing of equipment/furnishings, and facilitate crews moving into Station
  - Supported the building of Fire Station #12
  - Managed ongoing building/facilities maintenance
- Apparatus
  - Purchased new fire apparatus due in Apparatus Replacement Schedule
  - Purchased equipment for new vehicles
  - Managed AFD Fleet Maintenance Facility and the maintenance/repair of all AFD vehicles
  - Ensured all AFD mechanics have achieved or are pursuing Level III Emergency Vehicle Technician certification
  - Provided training class for apparatus/driving using trained and qualified personnel
- Grants
  - Spring – Wrote AFG grant
  - Summer – Wrote SAFER grant
  - Fall – Fire Safety and Prevention grant
  - Managed 2009 Mass Casualty Grant Award and purchases

- IMT
  - Worked as Planning Section Chief for local Type 4 IMT
  - Shadowed and deployed as Planning Section Chief for Texas Type 3 IMT
  - Sat on Texas Typed 3 IMT Credentialing Committee
  - Assisted as course manager and instructor for IMT classes
  - Helped plan and coordinate the PRPC Training Symposium

## 2011 Goals

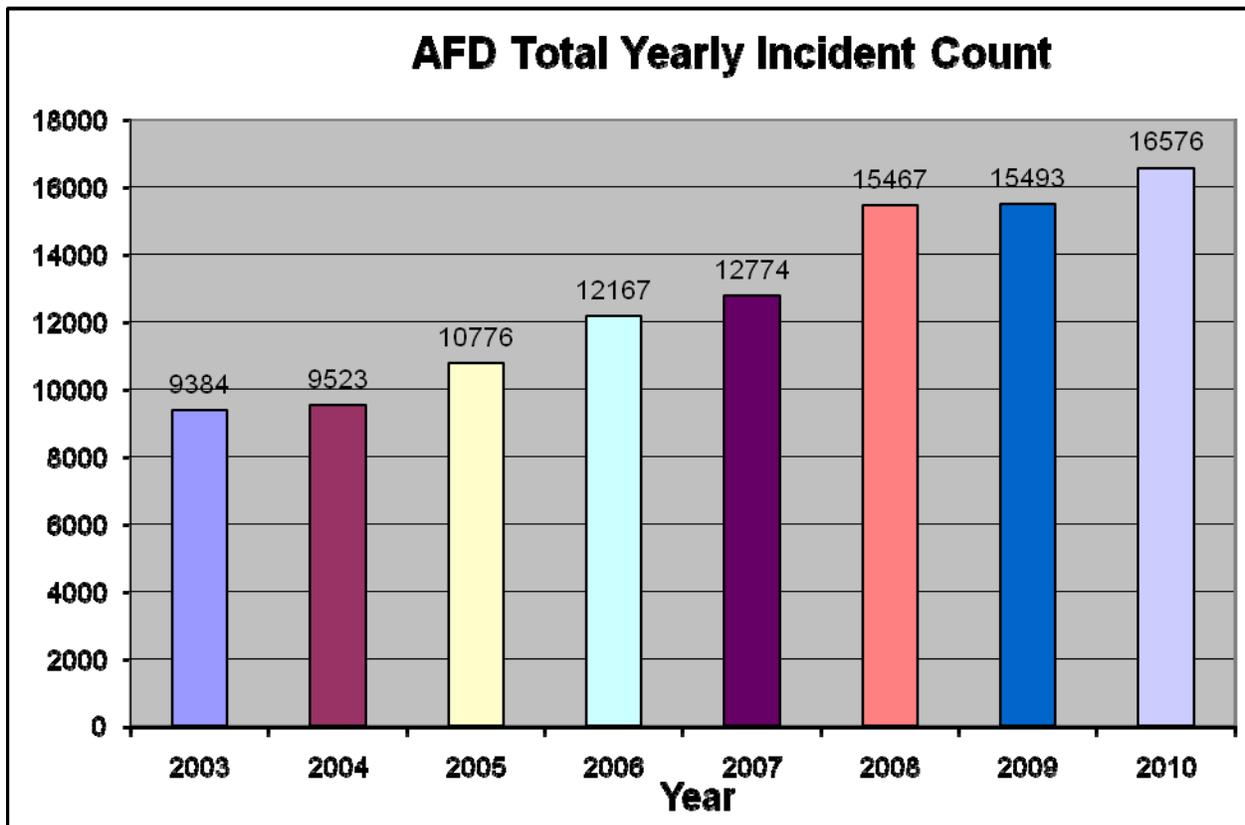
- Budget/Finance
  - Manage 2010-2011 Operating Budget
  - Assist with 2010-2011 Budget process/development
  - Coordinate with AFD program managers to purchase equipment and supplies
  - Provide budget and financial reports and documentation to support Fire Administration
  - Facilitate process of devolving purchasing and finance responsibilities to civilian employee
- Facilities
  - Support the building of Fire Station #12, purchasing the necessary equipment/furnishings, and facilitate crews moving into the station
  - Support the building of Fire Station #13, purchasing the necessary equipment/furnishings, and facilitate crews moving into the station
  - Manage ongoing building/facilities maintenance
- Apparatus
  - Purchase fire apparatus due in Apparatus Replacement Schedule
  - Purchase equipment for new vehicles
  - Manage AFD Fleet Maintenance Facility and the maintenance/repair of all AFD vehicles
  - Ensure AFD mechanics have achieved or are pursuing Level III Emergency Vehicle Technician certification
  - Provide training class for apparatus/driving using trained and qualified personnel
- Grants
  - Manage 2009 Mass Casualty Grant Award and purchases
  - Manage 2010 Extractor Grant Award and purchases
  - Coordinate and write 2011 AFG, SAFER and Fire Safety and Prevention Grants
- IMT
  - Continue to work as Planning Section Chief for local Type 4 IMT
  - Maintain State Certification as Planning Section Chief for Texas Type 3 IMT
  - Represent AFD on Type 3 IMT Credentialing Committee
  - Continue to be course manager and instructor for IMT classes
  - Assist with planning and coordinating the PRPC Training Symposium



# **AMARILLO FIRE DEPARTMENT**

## **Statistical Data**

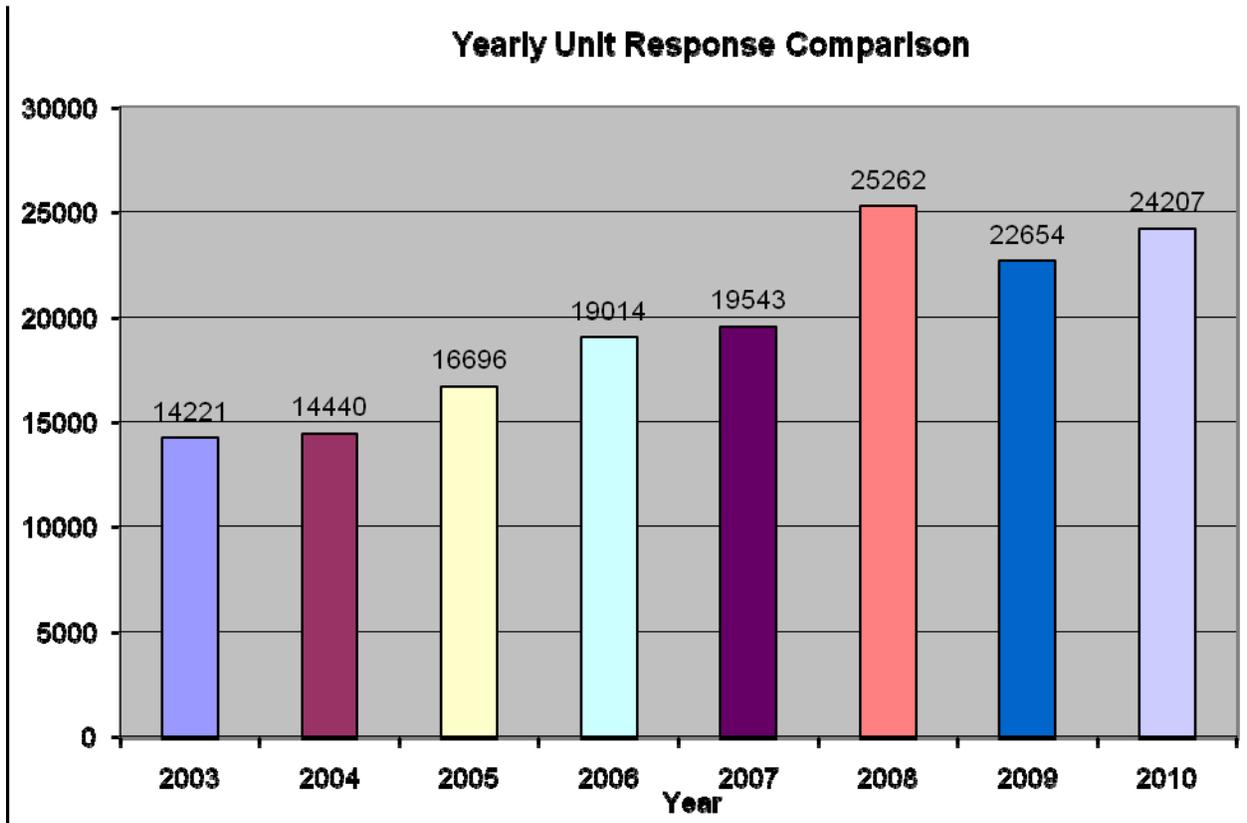
# Total Incidents



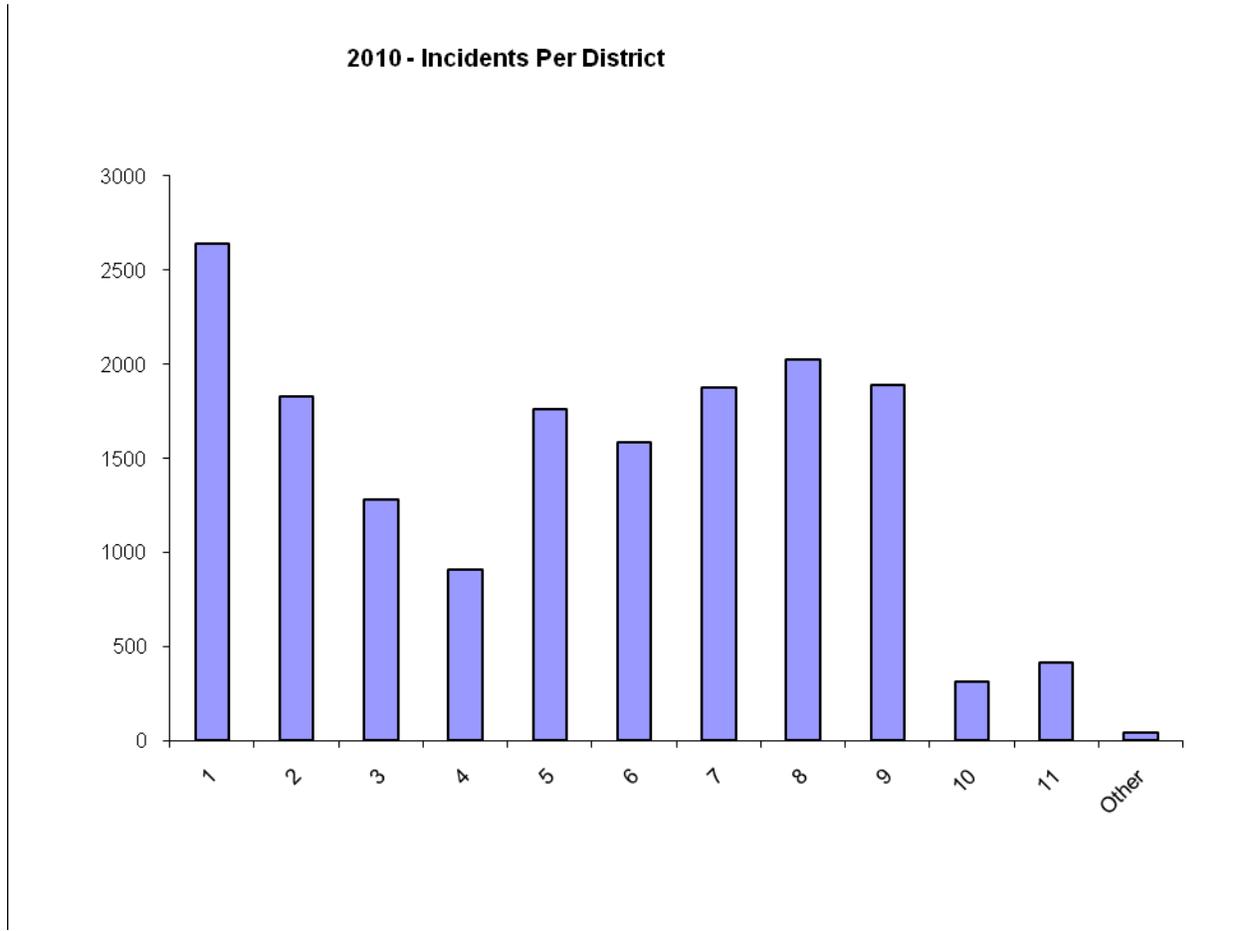
# Total Unit Responses



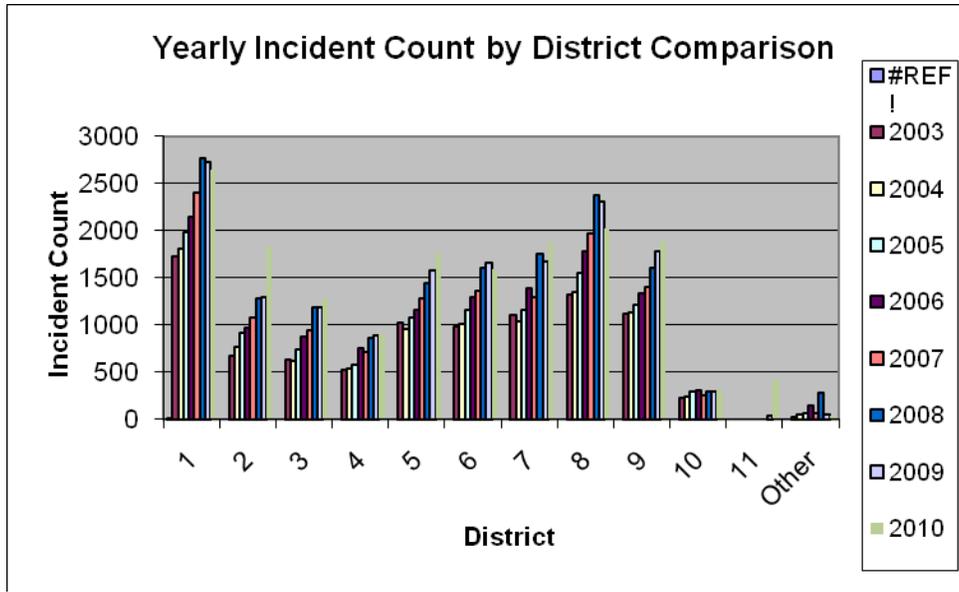
## Yearly Unit Response Comparison



# Incidents by District

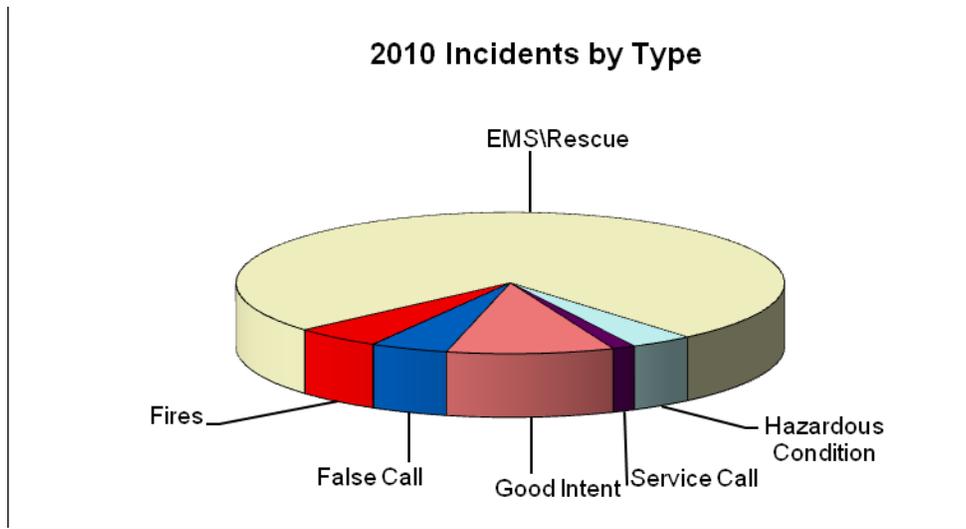


## Incidents by District (cont'd)



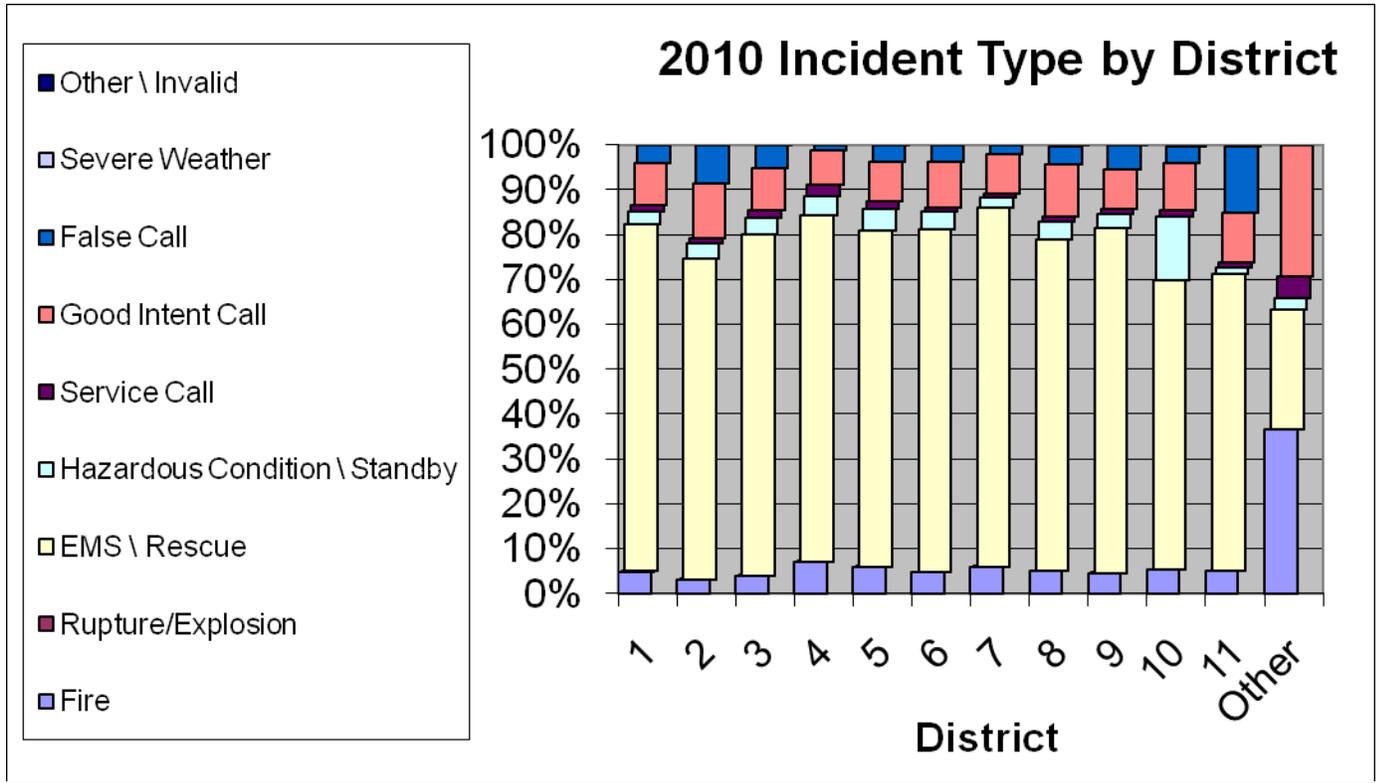
Calls per District	2003	2004	2005	2006	2007	2008	2009	2010
1	1727	1806	1992	2148	2402	2768	2727	2642
2	671	769	922	977	1074	1282	1295	1832
3	627	622	736	872	938	1190	1186	1283
4	532	538	583	760	721	865	894	910
5	1024	962	1082	1163	1288	1449	1581	1764
6	985	1015	1165	1296	1358	1603	1657	1588
7	1112	1034	1161	1389	1302	1752	1672	1875
8	1328	1354	1548	1782	1970	2381	2306	2026
9	1125	1137	1214	1332	1400	1611	1786	1890
10	222	237	302	306	261	289	292	310
11							44	415
Other	31	49	71	142	60	277	53	41
<b>Total</b>	<b>9384</b>	<b>9523</b>	<b>10776</b>	<b>12167</b>	<b>12774</b>	<b>15467</b>	<b>15493</b>	<b>16576</b>

# Incidents by Type



<b>2010</b>			
<b>Count of Incident types</b>	<b>Count</b>	<b>Percentage of Calls</b>	<a href="#"><u>Avg Response Times</u></a>
Fires	843	5.09%	05:52
Rupture/Explosion	9	0.05%	06:22
EMS\Rescue	12495	75.38%	06:03
Hazardous Condition	612	3.69%	06:48
Service Call	223	1.35%	07:06
Good Intent	1632	9.85%	06:53
False Call	754	4.55%	06:29
Severe Weather	5	0.03%	11:23
Other	3	0.02%	13:26
Incomplete or Invalid	0	0.00%	NA
<b>Total</b>	<b>16576</b>	<b>100.00%</b>	

# Incident Type Trends



## Average Response Time by Time of Day

Report Period: From 01/01/2010 To 12/31/2010

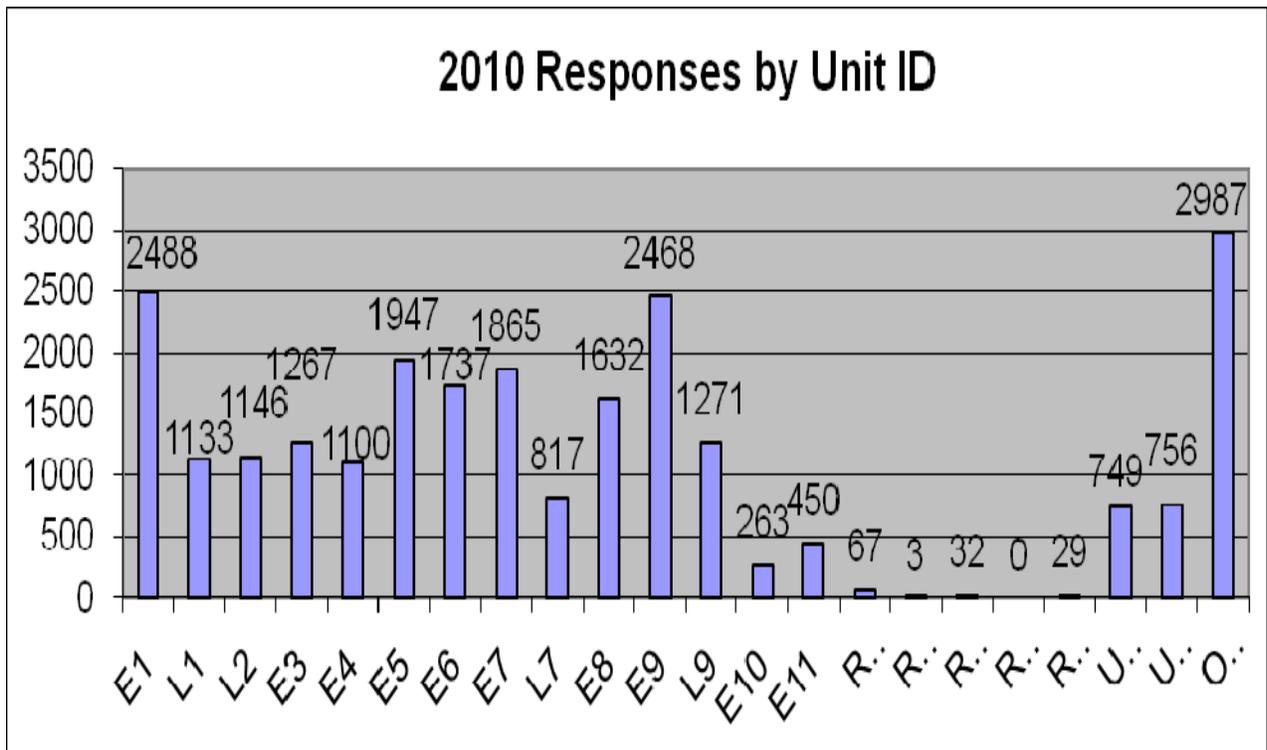
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Time	Count	Count in Average	Average Response Time HHMMSS
00:00:00 to 00:59:59	553	491	00:06:54
01:00:00 to 01:59:59	510	455	00:06:58
02:00:00 to 02:59:59	496	423	00:06:37
03:00:00 to 03:59:59	370	329	00:07:03
04:00:00 to 04:59:59	309	273	00:06:50
05:00:00 to 05:59:59	304	267	00:06:55
06:00:00 to 06:59:59	373	340	00:06:32
07:00:00 to 07:59:59	541	506	00:06:19
08:00:00 to 08:59:59	611	561	00:06:00
09:00:00 to 09:59:59	653	596	00:05:51
10:00:00 to 10:59:59	746	683	00:05:50
11:00:00 to 11:59:59	883	814	00:05:46
12:00:00 to 12:59:59	931	864	00:05:54
13:00:00 to 13:59:59	841	759	00:05:51
14:00:00 to 14:59:59	822	763	00:05:53
15:00:00 to 15:59:59	885	808	00:06:06
16:00:00 to 16:59:59	971	884	00:05:59
17:00:00 to 17:59:59	979	894	00:05:55
18:00:00 to 18:59:59	930	857	00:06:02
19:00:00 to 19:59:59	931	856	00:05:52
20:00:00 to 20:59:59	845	776	00:05:57
21:00:00 to 21:59:59	828	755	00:06:12
22:00:00 to 22:59:59	698	628	00:06:15
23:00:00 to 23:59:59	566	512	00:06:49
<b>Totals:</b>	<b>16,576</b>	<b>15,094</b>	

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**Note:** The incident count used in averages does not include the following:  
Not completed incidents, Mutual Aid given, Other Aid Given, Cancelled in Route, Not priority, Fill-In Standby, No arrival and Invalid Dates/Times.

# Responses by Unit ID



## Responses by Unit ID (Cont.)

	2001	2002	2003	2004	2005	2006	2007	2008	2009
<b>Responses per Apparatus</b>									
E1	1658	1704	1847	1818	2044	1995	1920	2600	2742
L1	936	964	918	1009	1020	1145	943	1194	929
L2	598	696	703	754	949	983	1052	983	988
E3	613	578	688	657	788	909	933	1170	1011
E4	499	614	624	649	718	902	858	961	1019
E5	1115	1082	1212	1217	1391	1504	1539	1757	1844
E6	909	970	1056	1096	1286	1409	1374	1478	1609
E7	991	1179	1165	1152	1279	1508	1320	1626	1593
L7	498	601	592	556	601	707	641	810	731
E8	1117	1209	1354	1354	1570	1735	1779	2052	2145
E9	1383	1548	1622	1669	1891	2010	1959	2367	2419
L9	865	870	909	962	1057	1093	926	1139	629
E10	193	218	222	236	291	323	249	250	283
E11								670	810
Red1	27	35	37	33	70	64	45	37	45
Red2	36	33	43	43	67	42	28	13	0
Red3	36	33	39	44	64	47	22	23	30
Red4							21	0	0
Red5							9	37	28
Unit1	429	466	475	505	647	865	922	1312	738
Unit2	382	389	428	458	616	801	893	1312	722
Other	302	234	287	228	347	972	2109	3471	2339
<b>Total Count of Response</b>	<b>12587</b>	<b>13423</b>	<b>14221</b>	<b>14440</b>	<b>16696</b>	<b>19014</b>	<b>19542</b>	<b>25262</b>	<b>22654</b>



## Incident Types by District

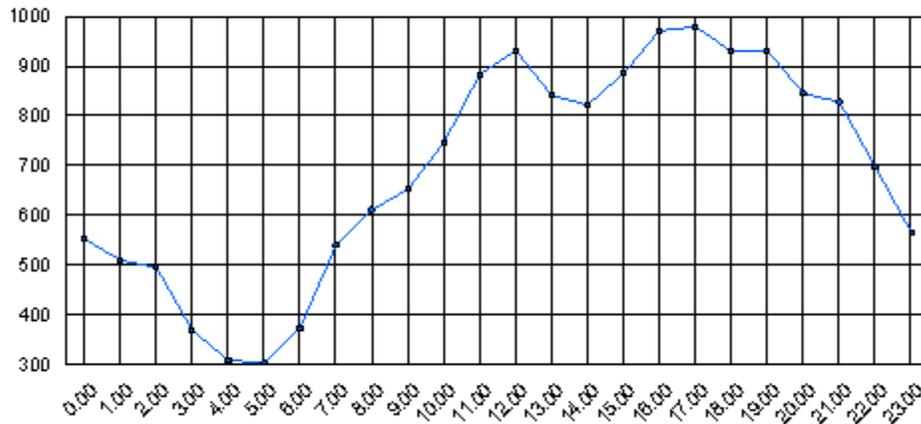
<b>2010</b>	<b>Incidents Types by District</b>												
<b>Incident Types</b>	<b>Districts</b>												
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>Other</b>	<b>Totals</b>
Fire	132	59	50	65	104	79	111	104	86	17	21	15	843
Rupture/Explosion	3	1	1	1	1	0	1	0	1	0	0	0	9
EMS \ Rescue	2039	1309	977	703	1321	1210	1500	1497	1453	200	275	11	12495
Hazardous Condition \ Standby	81	60	48	38	89	63	45	77	60	44	6	1	612
Service Call	36	24	23	22	28	17	16	23	23	4	5	2	223
Good Intent Call	243	223	119	70	155	160	165	241	166	33	45	12	1632
False Call	108	156	64	11	65	59	37	81	100	11	62	0	754
Severe Weather	0	0	1	0	1	0	0	2	0	0	1	0	5
Other \ Invalid	0	0	0	0	0	0	0	1	1	1	0	0	3
<b>Totals</b>	<b>2642</b>	<b>1832</b>	<b>1283</b>	<b>910</b>	<b>1764</b>	<b>1588</b>	<b>1875</b>	<b>2026</b>	<b>1890</b>	<b>310</b>	<b>415</b>	<b>41</b>	<b>16576</b>

## Incidents by Time of Day

Date Range: From 01/01/2010 To 12/31/2010

Time of Day	Number of Incidents
00:00:00 to 00:59:59	553
01:00:00 to 01:59:59	510
02:00:00 to 02:59:59	496
03:00:00 to 03:59:59	370
04:00:00 to 04:59:59	309
05:00:00 to 05:59:59	304
06:00:00 to 06:59:59	373
07:00:00 to 07:59:59	541
08:00:00 to 08:59:59	611
09:00:00 to 09:59:59	653
10:00:00 to 10:59:59	746
11:00:00 to 11:59:59	883
12:00:00 to 12:59:59	931
13:00:00 to 13:59:59	841
14:00:00 to 14:59:59	822
15:00:00 to 15:59:59	885
16:00:00 to 16:59:59	971
17:00:00 to 17:59:59	979
18:00:00 to 18:59:59	930
19:00:00 to 19:59:59	931
20:00:00 to 20:59:59	845
21:00:00 to 21:59:59	828
22:00:00 to 22:59:59	698
23:00:00 to 23:59:59	566

**16,576**

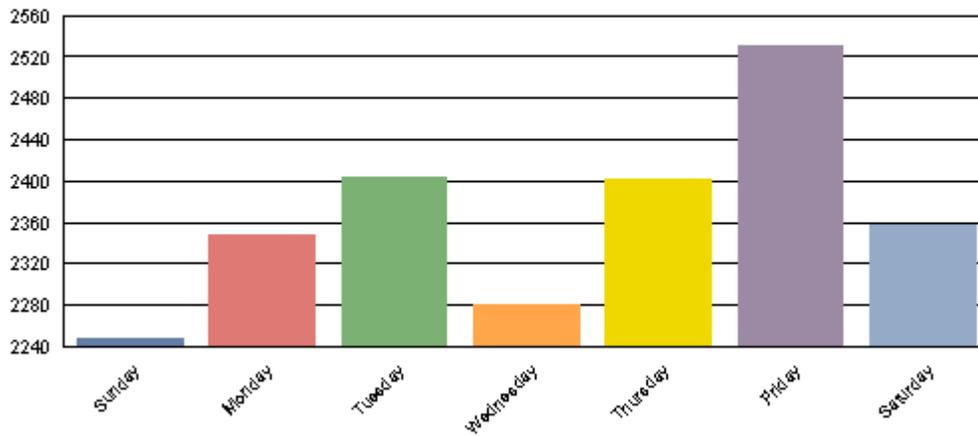


## Incidents by Day of Week

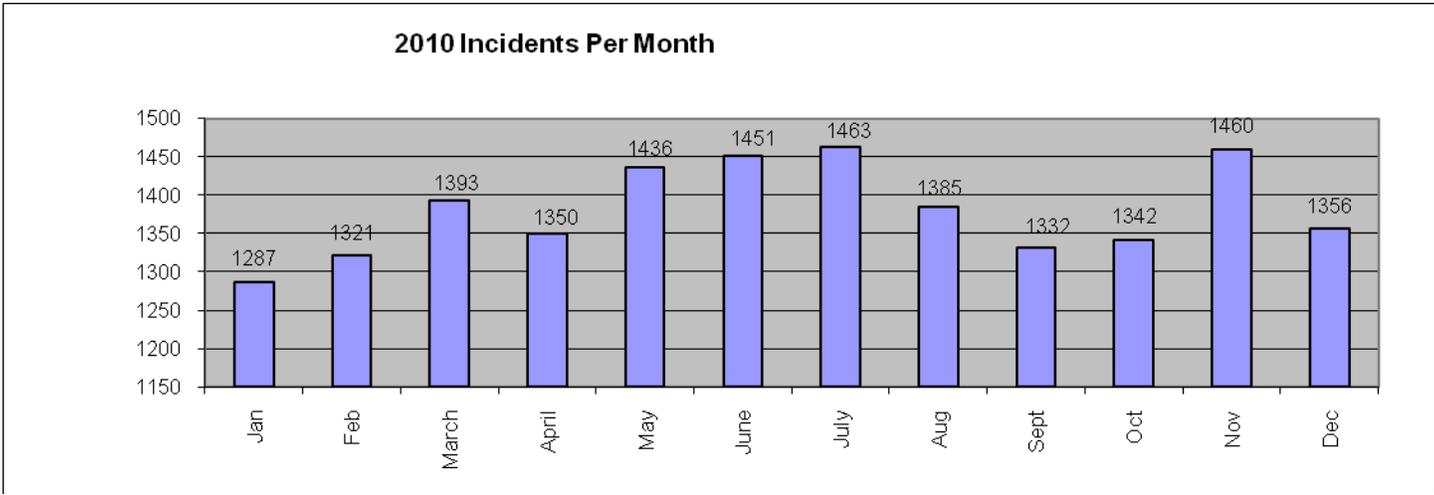
Date Range: From 01/01/2010 To 12/31/2010

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Day of the Week	Number of Incidents
Sunday	2,249
Monday	2,348
Tuesday	2,404
Wednesday	2,282
Thursday	2,402
Friday	2,532
Saturday	2,359
<b>Total Incidents</b>	<b>16,576</b>



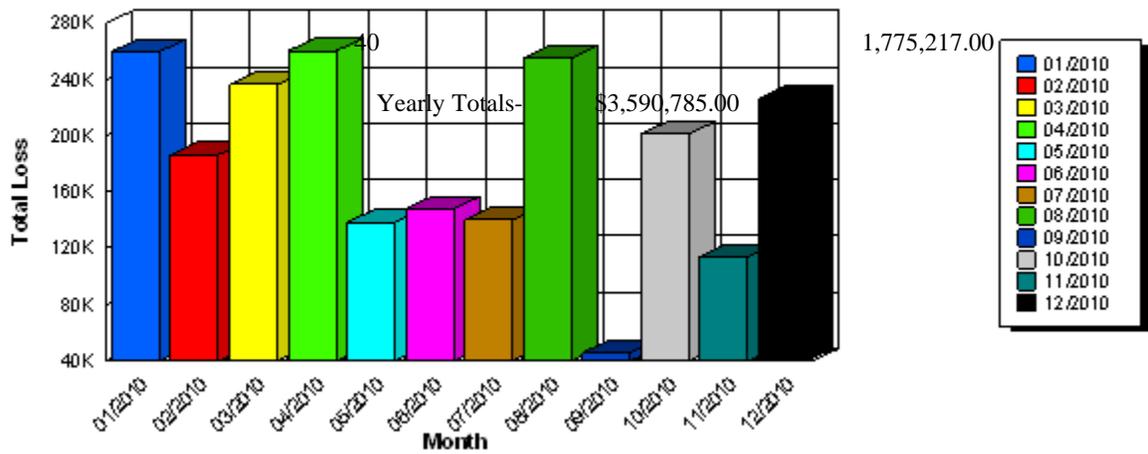
# Incidents by Month



## Residential Fire Loss by Month

Date Range: From 01/01/2010 To 12/31/2010

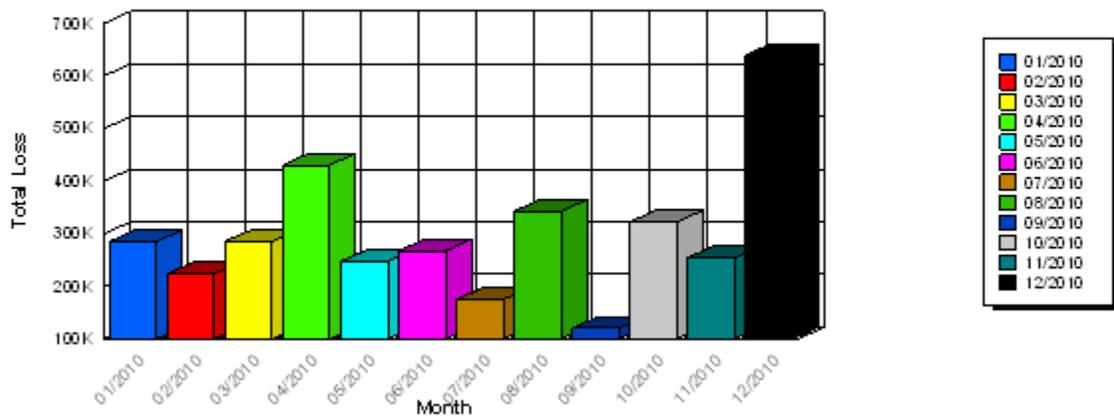
Month	Count of Fires With Loss	Total Loss	Total Value
01/2010	20	\$259,700.00	\$261,700.00
02/2010	21	\$186,586.00	\$213,015.00
03/2010	15	\$236,275.00	\$304,286.00
04/2010	23	\$260,287.00	\$267,063.00
05/2010	22	\$138,394.00	\$138,394.00
06/2010	20	\$148,027.00	\$148,027.00
07/2010	19	\$140,250.00	\$250,250.00
08/2010	20	\$255,000.00	\$320,121.00
09/2010	13	\$45,800.00	\$45,800.00
10/2010	18	\$201,178.00	\$201,178.00
11/2010	16	\$114,080.00	\$114,080.00
12/2010	19	\$226,329.00	\$231,329.00



## Total Fire Loss by Month

Report Period: From 01/01/2010 To 12/31/2010

Month	Count of Fires With Loss	Total Loss	Total Value
01/2010	41	\$284,638.00	\$286,638.00
02/2010	36	\$223,410.00	\$249,939.00
03/2010	36	\$285,010.00	\$354,046.00
04/2010	57	\$430,528.00	\$482,304.00
05/2010	46	\$246,948.00	\$246,948.00
06/2010	56	\$267,298.00	\$267,300.00
07/2010	36	\$174,598.00	\$284,598.00
08/2010	42	\$342,446.00	\$407,567.00
09/2010	37	\$120,140.00	\$120,140.00
10/2010	41	\$322,202.00	\$322,212.00
11/2010	35	\$254,350.00	\$254,350.00
12/2010	40	\$639,217.00	\$1,775,217.00
Yearly Totals-		\$3,590,785.00	

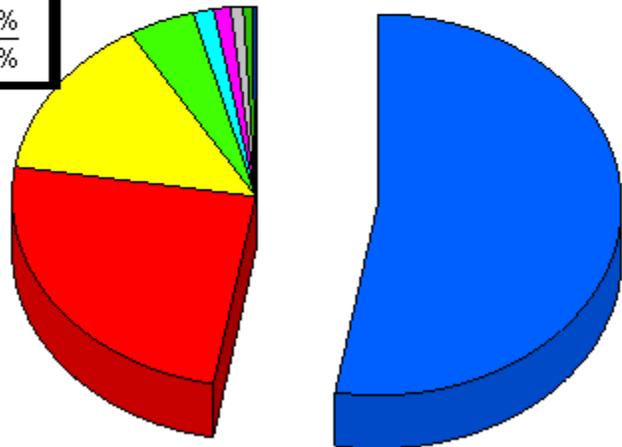


## Actions Taken - Department Level (Chart)

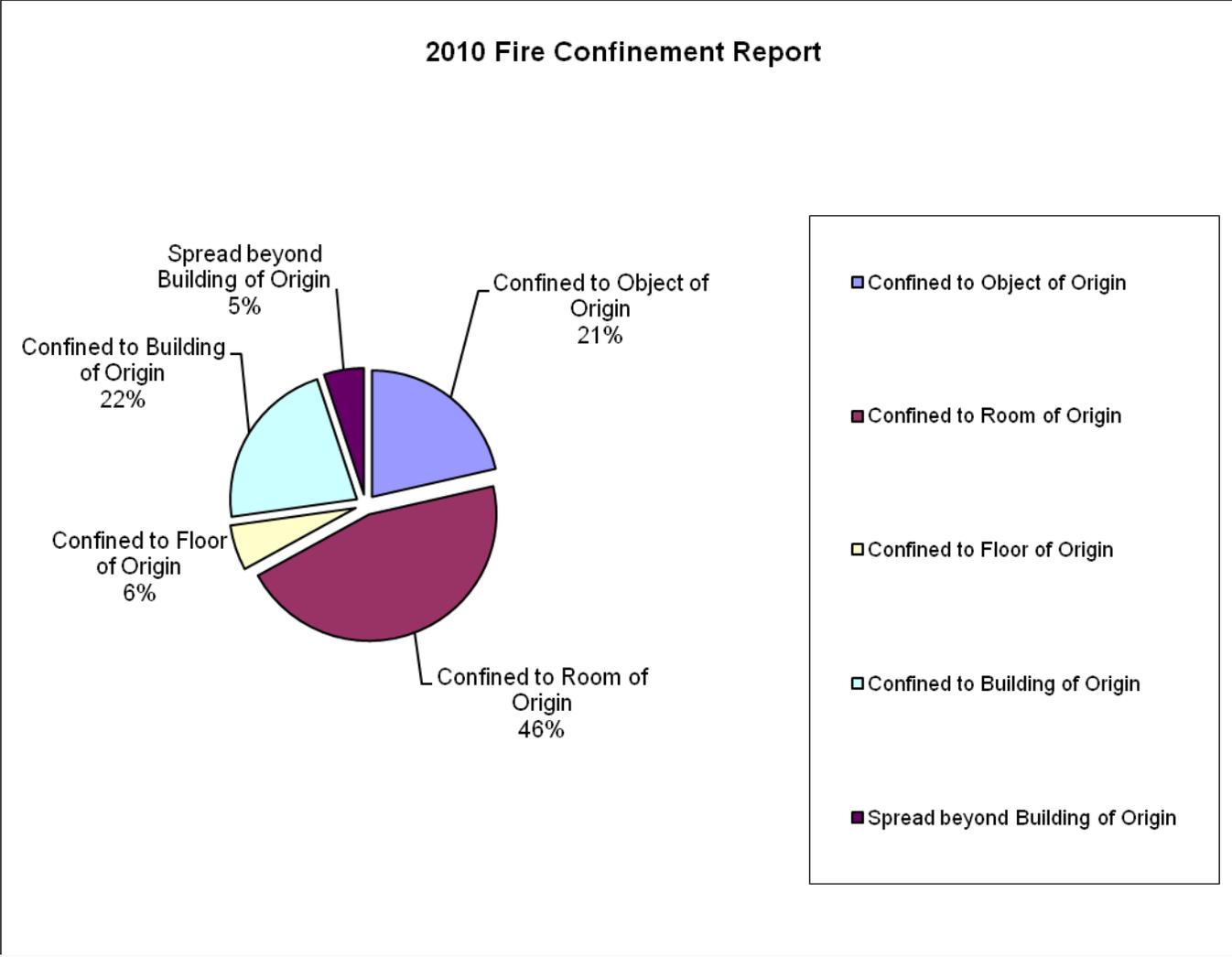
Report Period: From 01/01/2010 To 12/31/2010

Description	Action 1	Action 2	Action 3	Total Actions	Percent of Total
Provide EMS Care	9,966	155	62	10,183	52.76%
Investigate/Enforcement	4,094	511	168	4,773	24.73%
Fill-in/Standby	1,292	694	684	2,670	13.83%
Extinguish and Control	591	202	83	876	4.54%
Identify and Confine Hazardous Cond	242	36	4	282	1.46%
Provide Asistance	169	12	8	189	0.98%
Search and Rescue	108	41	17	166	0.86%
Rescue	63	26	10	99	0.51%
Restore Systems/Services	50	8	3	61	0.32%
Others	0	0	0	0	0.00%
<b>Totals</b>	<b>16,575</b>	<b>1,685</b>	<b>1,039</b>	<b>19,299</b>	<b>100.00%</b>

Provide EMS Care	52.8%
Investigate/Enforcement	24.7%
Fill-in/Standby	13.8%
Extinguish and Control	4.5%
Identify and Confine Hazardous Cond	1.5%
Provide Asistance	1.0%
Search and Rescue	0.9%
Rescue	0.5%
Restore Systems/Services	0.3%
Others	0.0%
<b>Total:</b>	<b>100.0%</b>



# Fire Confinement Report



## Miscellaneous Data

<b>General Information</b>	<b>2009</b>	<b>2010</b>
<ul style="list-style-type: none"> <li>• Average Response Time for all Emergency Incidents</li> <li>• (Elapsed time from unit notification to arrival)</li> </ul>	4:15	4:17
<ul style="list-style-type: none"> <li>• Increase of incidents from previous year</li> <li>• Decrease in total responses over previous year</li> </ul>	1%	1.07%
<ul style="list-style-type: none"> <li>• Average Time on Scene (mm:ss)</li> <li>• Manhours on Scene of Emergency Incidents</li> </ul>	15:48	15:27
<ul style="list-style-type: none"> <li>• Automatic External Defibrillator (AED) Uses</li> <li>• Extrications Performed</li> <li>• ARFF Alerts (Incidents involving aircraft)</li> </ul>	22,281	23,262
	20	16
	96	92
	27	29
<b>Firefighter Injuries</b>		
<ul style="list-style-type: none"> <li>• Incident Scene Injuries</li> <li>• Responding to or Returning from Incidents</li> <li>• Non-Incident related</li> </ul>	8	17
	0	0
	16	22
<b>Multiple Alarm Fires</b>		
Structure Fires with more than 7 units assigned with a property loss greater than \$500		
<ul style="list-style-type: none"> <li>• Second Alarms</li> <li>• Third Alarm or Greater</li> </ul>	35	
	13	

## City of Amarillo Statistics

*As of October of year indicated*

	<b>2009</b>	<b>2010</b>
Estimated Population* (2000 Census – 173,627)	191,514	194,527
Miles of Streets	988.93	994.25
Paved	905.80	911.12
Unpaved	83.13	83.13
Miles of Alley	472.42	476.01
Paved	193.13	196.72
Unpaved	279.29	279.29
Number of Intersections	6,044	6,075
Total City Owned Acreage in Airport**	4,187	4,187
Number of Square Miles in City*	100.24	100.24
Number of Acres in City*	64,154.76	64,154.76
Miles of Water Line***	1,082.40	1,091.24
Number of Fire Hydrants	3,662	3,692

# NFPA ANNUAL SURVEY

FDID-26762	2007	2008	2009	2010
<b>Fire Service Personnel</b>				
<a href="#">Number of Full Time Uniform Firefighters</a>	231	233	241	234
<a href="#">Number of Full Time Uniform Firefighters by Age Group</a>				
Under 20	0	1	0	0
20-29	38	35	43	43
30-39	73	81	86	93
40-49	72	69	67	60
50-59	47	46	44	37
60 and over	1	1	1	1
<b>Part I - Area and Population Protected</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Population of Primary Responsibility	187609	190042	191514	194527
Square miles of Primary Responsibility	98.7	100	100	100
<b>Part II - Major Fires</b>				
Information obtained from Fire Marshall				
<b>Part III - Fires and Other Incidents</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
<b>FIRES IN STRUCTURES BY FIXED PROPERTY USE (OCCUPANCY)</b>				
<a href="#">Private Dwellings including Mobile homes</a>	186	237	203	184
<a href="#">Apartments</a>	54	45	50	53
<a href="#">Hotels and Motels</a>	4	1	2	4
<a href="#">All other residential (Dormitories, boarding houses, tents, etc)</a>	3	2	7	3
<b>Total Residential Fires (Should be sum of lines 1-4)</b>	<b>247</b>	<b>285</b>	<b>262</b>	<b>244</b>
<a href="#">Public Assembly (church, restaurant, clubs, etc.)</a>	21	19	15	16
<a href="#">Schools and Colleges</a>	2	2	9	5
<a href="#">Health Care and Penal institutions (hospitals, nursing homes, prisons, etc.)</a>	7	7	2	2
<a href="#">Stores and offices</a>	17	18	17	13
<a href="#">Industry, Utility, Defense, Labs, manufacturing</a>	3	1	3	4
<a href="#">Storage in structures (barns, vehicles storage garage, general storage)</a>	21	28	19	20
<a href="#">Other Structures (vacant bldgs, bldgs under const, outbldgs, bridges)</a>	27	25	20	15
<b>Totals for Structure Fires (Should be sum of lines 5-12)</b>	<b>345</b>	<b>385</b>	<b>347</b>	<b>319</b>
<a href="#">Fires in Highway vehicles (autos, trucks, buses, etc.)</a>	126	117	128	116
<a href="#">Fires in Other Vehicles (planes, trains, ships, construction or farm vehicles)</a>	10	5	4	9
<a href="#">Fires outside of structures with value involved, but not vehicles. (outsided storage, crops, timber, etc)</a>	26	32	24	26
<a href="#">Fires in Brush, Grass, Wildland (excluding crops and timber), with no value involved.</a>	97	175	95	96
<a href="#">Fires in Rubbish, including Dumpsters (outside of structures) with no value involved.</a>	316	309	260	249
<a href="#">All other Fires (non structures not classified)</a>	11	10	8	10
<b>Totals for Fires (Should be sum of lines 13-18)</b>	<b>931</b>	<b>1033</b>	<b>866</b>	<b>825</b>

<a href="#">Rescue, Emergency Medical Responses (ambulance, EMS, Rescue)</a>	8942	11169	11606	12482
<a href="#">False alarm (malicious or unintentional false calls, system malfunctions, bomb scares)</a>	579	695	730	754
<a href="#">Mutual Aid or Assistance Responses</a>	60	269	59	47
<a href="#">Hazardous material responses (spills, leaks, etc.)</a>	315	286	307	330
<a href="#">Other Hazardous Responses (arcing wires, aircraft standby, bomb removal, powerlines down, etc)</a>	297	254	245	281
<a href="#">All other responses (smoke scares, lockouts, animal rescues, not classified, etc.)</a>	1650	1761	1680	1857
<b>Total for all incidents</b>	<b>12774</b>	<b>15467</b>	<b>15493</b>	<b>16576</b>
<a href="#">Residential fires - Confined</a>	63	58	72	70
<a href="#">Residential fires - Nonconfined</a>	184	227	190	174
<a href="#">Structure fires - Confined</a>	77	77	87	84
<a href="#">Structure fires - Nonconfined</a>	268	308	260	235
<a href="#">Breakdown of False Alarm Responses</a>				
<a href="#">Malicious, Mischievous False Calls</a>	25	43	37	38
<a href="#">System malfunction</a>	158	142	170	158
<a href="#">Unintentional</a>	443	492	507	543
<a href="#">Other False alarms</a>	14	18	16	15
<b>Total</b>	<b>640</b>	<b>695</b>	<b>730</b>	<b>754</b>

# NFPA 1710 Compliance Analysis

NFPA 1710 is a standard that is used compare a fire dept. to a predetermined set of time based response objectives. A Fire Dept. is given the latitude to choose from two different methods to measure its fire response compliance. The standard sets criteria for both fires and EMS calls. The City of Amarillo has not adopted this standard, but has studied response times to see how we compare to those response objectives.

**Fire Incidents**- the dept. may choose which of these to meet.

- **First arriving unit within 6 minutes** - In each area or district, the initial arriving unit must arrive within 6 minutes. The 6 minutes is broken down into the following areas:
  - 1 minute dispatch time – the time it takes dispatch to get the information and notify the station that they have an alarm
  - 1-minute turnout time- the time from when the station receives the alarm from dispatch until they are enroute.
  - 4 minutes travel time – the time traveling to the call.
  
- **Initial assignment (first alarm) within 10 minutes** – According to the IAFC, the initial assignment should include 14 personnel, or 15 personnel if an aerial device is used. AFD, on its first alarm assignments, includes 12 firefighters and 2 district chiefs. At least one of the district chiefs will respond depending on the incident. No special allowance is made for aerial devices. This makes up a response of 13-14 personnel on an initial response.

The 10 minutes is broken down into the following areas:

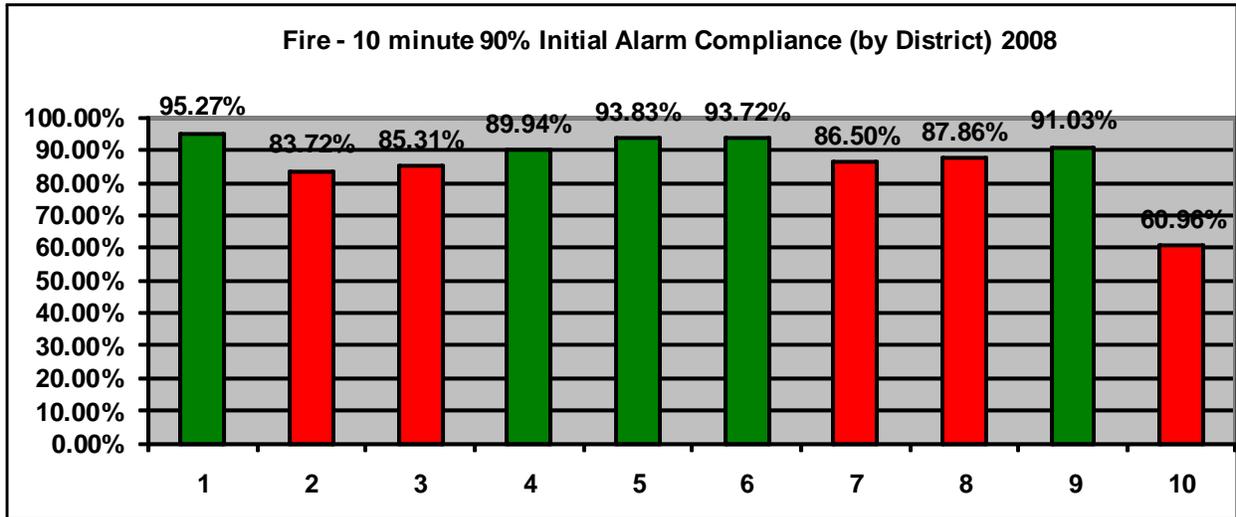
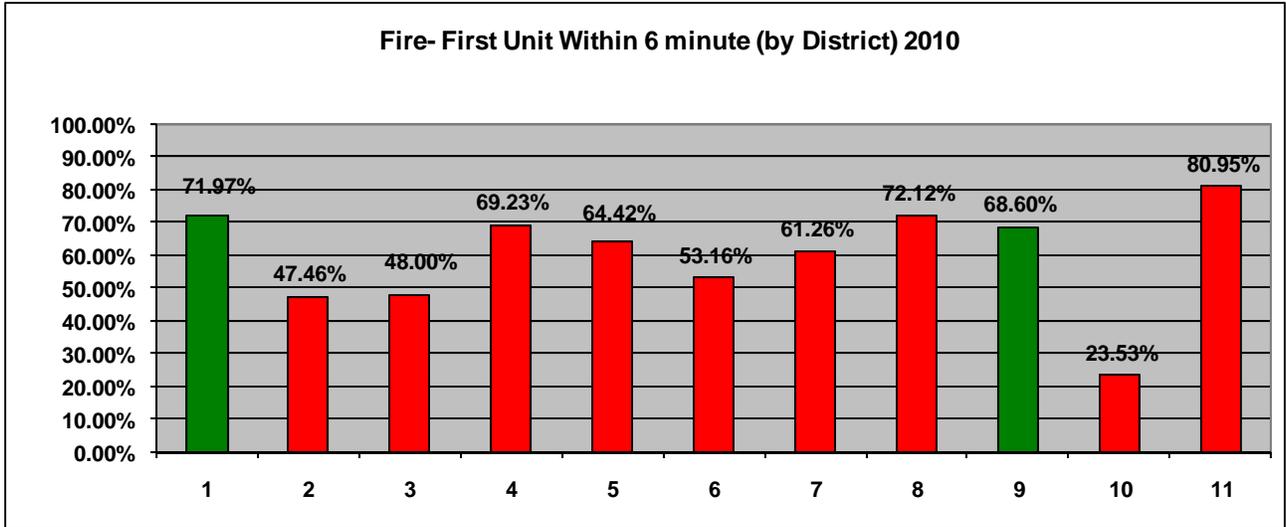
  - 1 minute dispatch time – the time it takes dispatch to get the information and notify the station that they have an alarm
  - 1-minute turnout time- the time from when the station receives the alarm from dispatch until they are enroute.
  - 8 minutes travel time – the time traveling to the call.

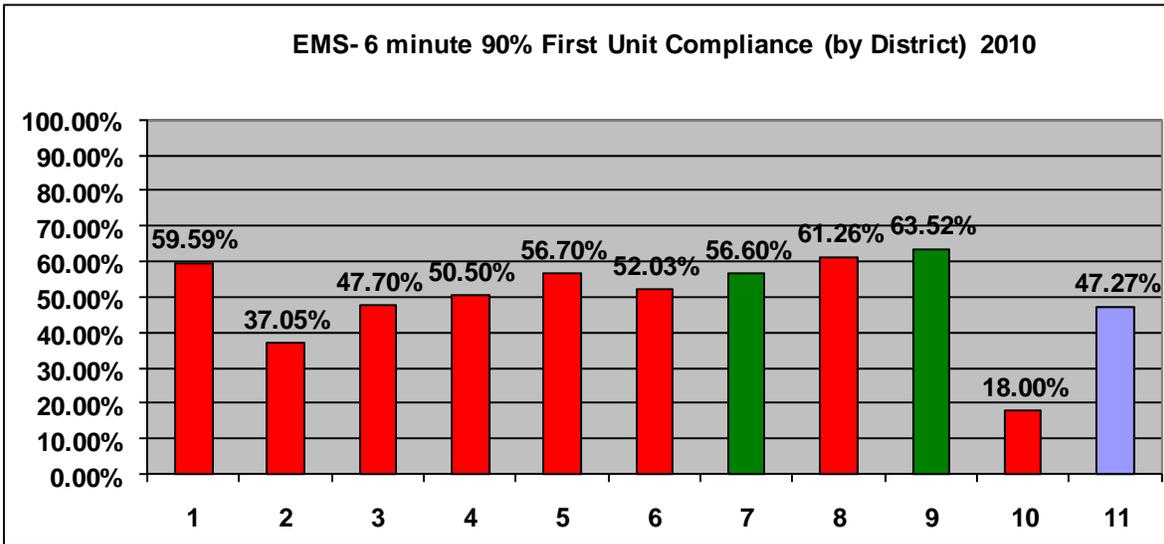
## **EMS incidents**

- **First arriving unit within 6 minutes** - In each area or district, the initial arriving unit must arrive within 6 minutes. The 6 minutes is broken down into the following areas:
  - 1 minute dispatch time – the time it takes dispatch to get the information and notify the station that they have an alarm
  - 1-minute turnout time- the time from when the station receives the alarm from dispatch until they are enroute.
  - 4 minutes travel time – the time traveling to the call.

The following pages are data gathered from responses the calendar year along with charts breaking down those responses by district.

# 2010 NFPA 1710 Response Compliance





## *NFPA 1710 Compliance Comparison*

*Dept. Wide Average by Year*

