

FLORIDA FIRES

ANNUAL REPORT



Jeff Atwater, Chief Financial Officer

STATE FIRE MARSHAL



2011 ANNUAL REPORT

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FLORIDA FIRES



This report is also available in electronic format
through the State Fire Marshal Section of the
Florida Department of Financial Services
Web Address: www.myfloridacfo.com/SFM



State Fire Marshal Jeff Atwater



Jeff Atwater
State Fire Marshal

Dear Fellow Floridians:

Before becoming Florida's State Fire Marshal in 2010, I had an appreciation for the work done by Florida's firefighters—both my father and son chose to serve their communities in the fire service. I could have never imagined how much more deeply that appreciation would grow as I continue to serve in this role.

Anyone who serves as a first responder in any capacity in Florida knows that we are presented with unique challenges in our state, and this past year has been no exception. Our state was ravaged by wildfires, and we suffered the tragic loss of two forestry firefighters who were working heroically to battle the blaze. We mourned the loss of four other firefighters in the state, all of whom dedicated themselves wholeheartedly to protecting the lives and property of their fellow Floridians.

As a lifelong Floridian, I have always been amazed at our ability to rally and recover after hurricanes and other disasters. I know that not enough credit can be given to your role in that recovery.

In 2011, there were 62,992 fires reported to the Florida Fire Incident Reporting System; 37,103 of the fires reported were accidental. These fires resulted in nearly \$1.4 billion in property loss. Tragically, in 2011, there were 105 combined civilian and firefighter fatalities and 1,218 injuries. I know that through training and increased awareness of fire safety and prevention methods we can lower those numbers this year and in the coming years.

This year we made great strides in the continuing journey towards excellence. The Bureau of Fire Prevention became the first department in the nation to achieve Fire Prevention and Life Safety Department Accreditation from the International Accreditation Service (IAS). The Bureau is proud to operate with the highest legal, ethical and technical standards. We bear the responsibility of doing everything in our power to set and achieve the highest standards and to continually challenge ourselves to reach new goals in our service to our fellow Floridians.

I am honored to serve as the State Fire Marshal and to stand with incredible men and women who serve our fellow Floridians every day in the fire service. No one can overestimate the value of the time that our fire service professionals dedicate to the people of Florida. Whether it is through firefighting, investigations, training or one of the many other ways they serve, they sacrifice time with friends and family to be ready at a moment's notice. For that we thank them for their dedicated service.

Sincerely,

Jeff Atwater

Chief Financial Officer and State Fire Marshal



**CFO recognizes Fire Prevention
Accreditation accomplishment**

Division Director Julius Halas



The Division of State Fire Marshal is dedicated to providing the highest quality services to all of Florida, from local fire departments who request our assistance with conducting fire and arson investigations and forensic analysis to those who plan to attend our fire college, one of the finest fire training colleges in the state. We also receive numerous requests for information and assistance from local Authorities Having Jurisdiction regarding fire and life safety code issues. As the Director for the Division of State Fire Marshal, I have the honor of working with some of the most dedicated and talented employees in the State of Florida.

During the past year I had the privilege of promoting one of our own to the position of Assistant Director. Lt. Col. Mark Sauls was previously the major for the South Region in the Bureau of Fire and Arson Investigations, located in our Tampa regional office. We are pleased to welcome him to Tallahassee.

Seeking accreditation status for all of our Bureaus has been one of the most important goals of the Division. This past year, the Bureau of Fire Prevention successfully completed the individual accreditation assessment, becoming the first Bureau of its kind to earn accreditation in the nation. I also had the privilege to present the process of reaching this accreditation at the National Association of State Fire Marshal's Annual Conference in July of 2011. We are proud of the Bureau's accomplishment and we are confident that the high standard they set will lead the way in increased safety and excellence.

Under the guidance of Florida Chief Financial Officer and State Fire Marshal Jeff Atwater and his leadership team, we will continue to improve our service and performance to Florida's residents, businesses and the fire service.

Sincerely,

A handwritten signature in black ink that reads "Julius Halas".

Julius Halas
Division Director



Julius Halas
Division Director



Division of State Fire Marshal Honor Guard Team



Office of the Director



**Lt. Colonel
Mark Sauls
Assistant Director**

and Bureau of Fire and Arson Investigations have performed admirably by maintaining a high level of

ASSISTANT DIRECTOR

As the Assistant Director of the Division of State Fire Marshal, I am both pleased and humbled by the opportunity to work alongside some of the most dedicated co-workers in state government. With the economic challenges faced this past year, the Bureau of Fire Standards and Training, Bureau of Fire Prevention, Bureau of Forensic Fire and Explosives Analysis

customer service while coming to work each day with a “can-do” attitude.

One major accomplishment this past year was by the Bureau of Fire Prevention, which received its accreditation through the International Accreditation Service, a subsidiary of the International Code Council. The IAS is recognized as one of the leading accreditation bodies in the United States. Our Fire Prevention Bureau is the first department in the nation to achieve Fire Prevention and Life Safety Department Accreditation.

Our service to the citizens of Florida, is in part, based upon the Division maintaining professional relationships with the fire service, law enforcement and professional associations. These relationships are critical to the sharing of vital information that will ensure the continued success of all four Bureaus in the Division of State Fire Marshal.



**John Kohnke
Domestic Security
Coordinator**

The Division Director and two local leaders who are appointed by the Florida Fire Chiefs' Association (FFCA) represent the fire service community on the Domestic Security Oversight Council (DSOC), which oversees Florida's domestic security initiatives. The Domestic Security Coordinator as well as other key Division members serve on the State

DOMESTIC SECURITY GRANT PROGRAMS

The Domestic Security Grant Program works in conjunction with various federal, state and local agencies, along with constituent groups, to support and enhance the specialized teams that provide Urban Search and Rescue, Hazardous Materials response and mobile Mutual Aid Radio Communications responses across the state.

Working Group (SWG) on domestic security, which is the working arm of the DSOC. The SWG is comprised of state and local partners from across all disciplines tasked to identify issues and projects to enhance Florida's preparedness, prevention and response capabilities to potential terrorist threats.

The program has the primary responsibility for managing federal homeland security grant funding in support of Florida's nine Urban Search and Rescue (US&R) Task Forces, 29 Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) capable Hazardous Materials teams, nine Mutual Aid Radio Cache (MARC) units and local Light Technical Rescue Teams (LTRT). The Homeland Security grants are the primary source of funds focused on the acquisition and sustainment of specialized equipment and training initiatives in support of these teams.

Working in conjunction with the domestic security coordinator is Gayle Svec, Cynthia Maxwell and Nickie Stricker, who manage the various contracts and sub-recipient agreements, as well as other key staff from across the Division and Department.

Emergency Management and Response



Sherm Sasser
Sr. Management
Analyst Supervisor

The Division of State Fire Marshal (SFM) continues to serve the State of Florida as the lead agency under the State Comprehensive Emergency Management Plan (CEMP) for Emergency Support Function 4 (Firefighting) and Emergency Support Function 9 (Search and Rescue). As the lead agency, the SFM provides coordination and assistance through these two Emergency Support Functions (ESFs) at the State Emergency Operations

Center (SEOC) in a large-scale, major or declared event. The SFM also performs the same duties away from the SEOC in a lesser, minor or remote event. Within these events, SFM is responsible for the coordination of firefighting responses or of search and rescue responses through management and staffing of ESF 4 and ESF 9 at the SEOC.

This coordination of the ESF room and of the actual operations is largely accomplished through partnerships with other agencies or associations. These agencies or associations not only provide operational responses, but also provide technical and staffing assistance. The three major partners working with the SFM are the Florida Forest Service (FFS, formerly the Division of Forestry), the Division of Emergency Management (DEM) and the Florida Fire Chiefs' Association (FFCA). In addition, many other agencies, associations, and governmental entities, such as the Fish and Wildlife Commission (FWC), the Department of Health (DOH),

the Department of Environmental Protection (DEP) and the Federal Emergency Management Agency (FEMA) support the firefighting and search and rescue operations.

Within the ESF and SEOC operations, the SFM is responsible for verifying requests for resources and information, ensuring that appropriate assistance is provided ordering resources, tracking and documenting resources, creating cost estimates, affecting logistical support and establishing procedures. Outside of the SEOC, the personnel of the SFM perform operational duties including, but certainly not limited to, security for teams and task forces performing firefighting, search and rescue for law enforcement, audits, public information and road clearance.

The SFM always hopes that each year requires minimal response to disasters. However, we always strive to be at the highest possible state of readiness.



Meeting at the SEOC



Bureau of Fire Standards and Training



Barry Baker
Bureau Chief

It is my pleasure to serve Florida's fire service as the Bureau Chief of Fire Standards and Training at the Florida State Fire College. The fire service has long standing, proud and rich traditions that succinctly define the work we perform in our communities. At various times in our existence our occupational culture requires careful review to make sure that those traditions we practice best serve our firefighters and the citizens and visitors we service on a

daily basis. Due to the recent economic downturn, we have all been forced to take a more extensive review of who we are, why we exist and how many of us are necessary to carry out our missions. This review can be envisioned as a healthy exercise that positions us for future effective and well-structured strategic planning efforts. Those efforts will likely serve as a template for current and future leaders. Questions we might ask would be what if anything has changed these past several years and what do those changes mean for us?

The economy has forced many organizations, and those within those structures, to do more with less. It is often long after these efforts that organizations access the results of those forced actions, most likely in an attempt to find balance between service levels and function. Prior to this past economic downturn, Florida's fire service traditionally lost between 25 and 40 percent of its members every five years through normal retirement and other attritions. These past trends have not been consistent during the recession, as many fire service personnel chose to continue working due to various economic constraints and concerns. In essence, we may be facing massive turnover among Florida fire service organizations, especially at the senior officer levels. How we manage these predictions directly relate to our ability to

be successful in maintaining high quality services to our communities.

The Florida State Fire College has tirelessly worked through these challenging years to provide enhanced opportunities for all fire service personnel to better their positions in their various departments. Some of the newer opportunities include Fire Code Administrator, Fire Officers III and IV and Pro Board Accreditation involving several new venues and, as always, staff assistance in navigating the higher educational system. We want each and every firefighter to be successful, and we will continue our focus of providing opportunities and opening doors for those who choose to better themselves. Many strategic partnerships have been built to provide Florida's fire service community with the best available education and programs in all areas of the state. We recognize that our most successful personnel are those who are both technically and academically balanced and use both skill sets effectively. Our state college system is working closely with us to better serve our needs, as are the approximately 40 certified training facilities. We encourage the fire service to take advantage of the opportunities that have been created.

We should be proud of what we have accomplished, as Florida is recognized as a national leader in training, education and fire service delivery. That being said, Florida's fire services will likely face increased challenges in acquiring those limited resources, people and equipment as our state recovers economically. How we manage these future challenges that each of us will likely face defines how we are viewed, how we have prepared and what principles we practice. Please join the Florida Fire College in charting a future that is unparalleled in professional growth and development. Our staff is prepared to assist Florida's fire service with questions regarding academic and vocational education needs. Together we will continue the journey of providing quality service to those we serve by further preparing our firefighters for the challenges they face.

Thank you for the opportunity to serve the men and women of Florida's fire service.



TRAINING SECTION

—Susan T. Schell, Training Supervisor

The Florida State Fire College (FSFC) has four full-time instructors who also serve as program coordinators and approximately 50 part-time instructors who are subject matter experts in the topic areas they instruct. Even with the economic environment the facility remains active, training students in firefighter, fire officer, inspector, investigator, instructor, hazardous materials technician, technical rescue and pump operator programs. Many of these programs were conducted in cooperation with our contractor Marion County Community Technical Adult Education (CTAE). The following is an overview of the statistics for 2011:

Number of Classes Offered:	375
Number of Students Trained:	9,227
Student Contact Hours:	287,931



In 2011, Train-the-Trainer classes for Legal Considerations for Safety Officer and IAFF Hazardous Materials Technician were presented. These classes prepared instructors to deliver this training to their local fire department personnel.

The Bureau continued its goal for quality in training and assurance that the current curriculum was up-to-date by reviewing and updating four courses. The reviews were conducted with input from our external constituent groups. The curriculum was made available to instructors and training institutions statewide as the minimally acceptable guidelines to assure safety and consistency in the training programs.

The Bureau maintained its involvement in conferences and training seminars throughout the year. These included the Instructor Professional Development Seminar, the Health and Safety Seminar, Volunteer Week at FSFC, Great Florida Fire School and the North West Volunteer Firefighter Weekend. The Bureau also presented updated information at Fire Rescue East and other events. The FACAP conference was held at FSFC for investigators and lawyers. During the weeklong event, instructors assisted with training evolutions.

The Bureau continued overseeing the delivery of the blended learning program for the Firefighter Part I curriculum, which allows volunteer firefighters to complete the knowledge components online. During the Northwest Volunteer Firefighter Weekend, the opportunity was given for students to get their task books signed.

During the year, the Bureau investigated courses that would meet the training requirements for Fire Code Administrator and researched curriculum for upper levels of fire officer certification.

The practical area of the college remains very active in training basic firefighter skills, Florida USAR skills, driver training and firefighter safety and survival training. In 2011, the military was present on campus to receive technical rescue and hazardous materials training.





A contingent from Ghana also came to the campus to receive training.

The classrooms have been updated with additional building construction and systems props so that students can see equipment and materials close up. Wireless internet was established throughout the college so that students could work on classroom assignments in their dorm rooms or anywhere on

campus. This also allows students to maintain contact with their departments and employers while at the fire college.

The college continues to seek ways to improve programs and curriculum. Chief Barry Baker and Assistant Chief Bill Wentlandt take time each week to meet with students attending classes at the fire college to update them on current issues in the fire service and ask for ways to improve our

services to the students and emergency services as a whole.

Through its partnership with Marion County Adult Education, overlapping Firefighter I/II classes, extensive FLUSAR training classes, Live Fire Training Instructor classes, Emergency Management Training and Volunteer Fireman's Insurance Service Driver training courses have been offered. FEMA and law enforcement classes continue to be offered at the college.

The Training Section continues to assist

community colleges, fire departments and instructors throughout the state with curriculum and provide a resource for anyone needing guidance or up-to-date information. Our goal remains to provide high quality instruction at the college as well as provide current resources to field instructors.

The Training Section also continues to assist as speakers and instructors as requested by customer groups. Personnel have attended county association meetings, Small County Coalition meetings and have been invited to speak at various inspector conferences.

The Training Section strives to maintain high quality instruction and exemplary safety as its primary goals and works hard to exceed our customers' expectations to the best of our ability.

HIGHER EDUCATION

— Patrick Giacobbe, Academic Instructor

In addition to its training and standards function, the Bureau of Fire Standards and Training provides educational leadership through its coordination of Fire Service Higher Education programs in the state. Through its relationship and partnership with the Florida Department of Education (FLDOE), the National Fire Academy (NFA) and existing articulation agreements with the public and private colleges and universities, the Bureau plays an integral role in the administration and coordination of college-level fire and emergency services programs. These programs, supported by the Fire and Emergency Services Higher Education (FESHE) structure, provide nationally recognized curriculum which contains developed frameworks for college degrees at the Associates, Bachelors and Graduate Degree levels.

Florida's present certification process for Fire Officer I and Fire Officer II allows supervisory fire officers to obtain national certification and college credit for courses at the Associates Degree level. As part of our continuing effort to assist Florida's fire service with succession planning and developing the next generation of mid-level and administrative fire officers, the Bureau is developing Fire Officer III, Fire Officer





IV and Fire Code Administrator certifications. The courses associated with these certifications are at the Bachelor's Degree level. These courses will help fill an educational void that is present for mid-management and administrative level fire officers. It will allow them to obtain national and international certification while earning the appropriate college credits.

In addition, recognizing the need for higher level critical thinking, analytical skills and executive leadership training for chief fire officers, the need for formalized senior executive development becomes paramount. The Bureau is actively developing an executive level series of classes for fire chiefs in partnership with the National Fire Academy. The program is envisioned as being a nationally recognized model, being delivered at the state level beginning at the Florida State Fire College. The Bureau is proud of its position in developing and positioning itself to provide needed leadership skills within the national higher education framework for Florida's fire service.

URBAN SEARCH & RESCUE (US&R) / HAZARDOUS MATERIALS (HAZ MAT) TEAMS

—Scott Chappell, Program Coordinator

This past year was quite eventful for Florida's Urban Search and Rescue (US&R) and Hazardous Materials (Haz Mat) Teams. In addition to multiple lost person searches and hazardous materials incidents handled by teams around the state, Florida US&R Task Force 3 also responded to St. Petersburg for a building collapse which they worked for multiple days. This collapse claimed the life of one civilian.

The teams constantly worked to maintain and improve our capabilities in Florida. Continued training in the five US&R disciplines (rope rescue, confined space rescue, trench rescue, vehicle and machinery rescue and structural collapse rescue) as well as hazardous materials training kept current responders prepared, while also training new team members. Additionally, specialist courses such as Air Deployable Search and Rescue (ADSAR), Technical Search Specialist, Wide Area Search, and Chemical Specific Hazardous Materials Training, prepared our highly specialized

teams to respond to natural and man-made disasters of all kinds.

Operation Integration III was a training event hosted by the Florida National Guard's Chemical Enhanced Response Force - Package (CERF-P) at Camp Blanding in March, 2011. It provided a venue where Florida US&R Task Forces, Light Technical Rescue Teams and Haz Mat Teams could train and work side-by-side one another as well as with other state and military units. It is through events like Operation Integration that relationships are built and capabilities are demonstrated and tested in preparation of an actual event.



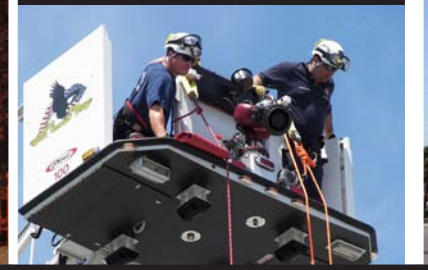
Throughout the year, the Department of Financial Services, Division of State Fire Marshal, (DFS/SFM), oversaw the contracts and reimbursements for the State Homeland Security Grant Program (SHSGP) from the Department of Homeland Security (DHS), which permits our nine US&R Task Forces, 48 Light Technical Rescue Teams, and 28 Hazardous Materials Teams.

FIRE STANDARDS SECTION

—Dennis Hackett, Field Examiner Supervisor

The responsibilities of the Standards Section, Bureau of Fire Standards and Training (BFST), Division of State Fire Marshal, include the management, oversight and maintenance of the Florida Fire Service Certification Programs as defined in statute and administrative code. A Certificate of Compliance is awarded to applicants who complete the required training, achieve a passing score on a comprehensive examination and meet the statutory requirements for certification





as a Firefighter, Forestry Firefighter or Fire Safety Inspector. Certificates of Competencies are awarded to those applicants who have completed the required educational and training requirements and have successfully passed the certification examination as a fire apparatus Pump Operator, Fire and Life Safety Educator, Fire Investigator, Fire Service Instructor, Live Fire Training Instructor, Hazardous Materials Technician or Fire Officer. Last year the Bureau of Fire Standards processed and issued 6,167 initial certifications.

The Standards Section also manages the Firefighter Supplemental Compensation Program that awards an educational incentive to the 246 fire department personnel with qualifying college degrees. A person who holds a Firefighter Certificate of Compliance and is employed with the state, political subdivision of the state, county, municipality or special district fire department is eligible for enrollment in the supplemental compensation program.

The Regulatory Licensing Section, Bureau of Fire Prevention, requires examinations for fire equipment dealers, contractors, technicians, distributors and users. Those examinations are provided through the Standards Section. In 2011, 285 licensing examinations were administered.

The Firefighter "Minimum Standards Course", or Firefighter II certification, is a statutory requirement to be employed as a firefighter in the state. This course provides the basic fundamental knowledge and skills needed to function in a firefighting environment. The course consists of Firefighter part I and Firefighter part II curriculum. The part I curriculum is a minimum of 206 hours and part II is an additional 192 hours. The BFST has regulatory responsibility for 42 certified training center programs in Florida that teach minimum standards. Last year, Fire Standards tested 1,912 applicants for Firefighter II with 1,614 passing on the first attempt. An applicant may have one retest before becoming disqualified for certification.

Examiners proctored 404 retests with 216 passing on the second attempt. Candidates who have received training from other recognized fire service organizations

outside of the state may challenge the test after documentation of equivalent training. During 2011, 34 applicants were tested, 13 passed the initial examination, eight were retested and four successfully passed.

Volunteer firefighters who perform duties that place them in an immediately dangerous to life or health environment must be trained through the 206 hour Firefighter part I curriculum. This program was significantly updated to meet the concerns of many of the rural communities during 2011, including changes in the delivery methods and examination process. Last year, the Bureau issued certificates to 391 applicants who completed this training.

Firefighter certifications are valid as long as the individual is active with a fire department as a career employee or is a volunteer with greater than six months of continuous service. After separating from firefighting activities for three years, the firefighter's certification is no longer valid and the person must pass the retention examination. It is not necessary that the certification remain continuously active, allowing retention examination opportunities for those wishing to reenter the career field. The retention examination evaluates an applicant's ability to perform fire ground operations. There is no written component associated with this exam. Last year, retention exams were provided to 267 applicants and 151 passed on their first attempt; 62 of the 90 candidates who retested a second time passed the exam.

The Standards Section also arranged for the testing of 296 persons seeking Fire Safety Inspector certification; 221 passed and 75 failed this test. This particular certification is restricted to a single test. Additionally, 689 Fire Instructor exams were administered. Of the Fire Officer applicants 388 passed the exam on the first attempt. Lastly, 101 Fire Investigator exams were administered.

Pro Board is internationally recognized and acknowledges professional achievement in the fire service and associated fields. Pro Board accredits organizations using the National Fire Protection





Association's (NFPA's) professional qualification standards. The Board of Directors administers the system and consists of a member from the International Association of Fire Chiefs (IAFC), National Association of State Fire Marshals (NASFM), International Association of Arson Investigators, Inc. (IAAI), National Fire Protection Association (NFPA), North American Fire Training Directors (NAFTD), an at-large member and the Chair of the Pro Board Advisory Committee. Accreditation by Pro Board Fire Service Professional Qualification System is a "recognized certification from an accredited entity (Florida); a statement of success, an indisputable mark of performance belonging to individual fire service professionals. Each successful candidate for certification from an accredited entity (Florida) knows that he or she has been measured against peers and meets rigorous national standards. In addition, the credibility of an organization is enhanced by having members certified to national consensus standards."

Seven of the NFPA's professional qualification standards (27 certifications) adopted by Florida were granted accreditation or reaccreditation by the Committee on Accreditation (COA). The evolution of national professional qualifications establishing performance measures is an essential component of professionalism. A method for testing Florida fire service professionals who received their certifications before Florida received Pro Board Accreditation is being developed.

The Standards Section is currently working with the Training Section to develop a Senior Officer Training and Certification Program for fire chiefs and fire marshals. Meeting the leadership demands of the modern fire department is an arduous responsibility. Credentialing fire service managers enhances the profession and brings a new level of standardization.

FIREFIGHTER SAFETY AND HEALTH SECTION

—Charlie Brush, Safety Programs Manager

The Safety Section is tasked with improving firefighter safety and health by reducing the incidence of firefighter accidents, occupational diseases, and

fatalities. Our approach to accomplishing this is by working cooperatively with our firefighters, fire departments and insurance underwriters toward these common goals by providing guidance, resources, investigations and inspections.

Guidance – We assist fire departments in safety compliance and procedure issues. The section also responds to questions from departments, firefighters and our citizens regarding rules, regulations and procedures regarding firefighter safety.

Resources – We provide information for the fire service and citizens regarding firefighter safety through research, networking and participation in several safety focused organizations. Information is disseminated through presentations, seminars, course deliveries, a monthly safety article, our annual safety and health conference, speaking engagements and via our web site: <http://www.myfloridacfo.com/sfm/bfst/SafetyHealth/FireSafetyandHealth.htm>

Our monthly safety articles continue to be well received and are being reprinted, in an international quarterly publication called "The Catalyst". The Catalyst is produced by the Organization for Emergency Services Management (JOIFF) from Dublin, Ireland.

Investigations – If an incident involves the fatality of a firefighter, a severe injury or the injury of three or more firefighters at one incident, a formal investigation is conducted that culminates in the release of a report under the signature of the Director of the State Fire Marshal Division and Bureau Chief. If an incident does not meet the criteria above, we conduct an informal investigation or inquiry. In all cases, the purpose of an investigation or inquiry is to identify the cause or causes that contributed to the occurrence, how to avoid further injuries of a similar type and to determine if a compliance inspection is warranted.

Our informal investigations, called inquiries, continue to be the cornerstone of our pro-active approach to safety and are shared both state-wide and nationally. Through these inquiries we have been able to identify 12 injury trends and their causes.





An example of a trend discovered this year is injuries occurring while using thermal imagers. While using a thermal imager, the operator becomes focused on the two dimensional world of the imager and losses situational awareness. Operators fell off porches, through holes in floors, off loading docks and the like. The solution to avoiding these injuries is to have a second firefighter assigned so that the operator focused on the imager while the "spotter" focused on the safety of the operator.

During 2011 the following inquiries and investigations were conducted.

- 69 inquiries
- 6 formal investigations

Inspections – Inspections are conducted to determine compliance with rule established safety procedure and requirement. We conduct inspections based upon the results of an investigation indicating the possible non-compliance with rule, at the request of a fire department or based upon a complaint. Our approach is to work with the department balancing the desire for compliance and safety with the realities of time and resources. We continue to work with departments in improving their safety posture, engaging personnel through the establishment of required safety committees and assisting them in attaining compliance with both state and federal safety requirements.

Inspections are also conducted by statutory and rule requirement for those departments identified by the Section as having a high frequency of injuries. Based upon the most current information from workers compensation, 69 departments were identified for the year 2011 and are being inspected.

In 2011 the following inspections were conducted:

- 1 was conducted as the result of an inquiry
- 11 were conducted based upon complaints

- 1 was conducted at the request of a fire department
- 13 high frequency of injury inspections were conducted. The balance will be completed in 2012

Additional Highlights for 2011

The revision and update of 69A-62 FAC continues with the goal of simplification, consolidation, reduction and updating the rules.

Joining our existing OPS safety field representatives in the panhandle and south Florida, retired fire chief Charlie Chapman joined the Safety Section and covers from Jacksonville to Indian River.

The Drexel University grant to better identify and qualify firefighter injuries continues in its second year. Initial results are expected to be available in 2012.

A study of firefighter helmets began. This study is comparing European and American style helmets from the user’s perspective. With both practical use and tests developed with the help of the University of Florida, the study will complete in 2012 with a white paper culminating the project.

The Section has started working closely with the Florida Firefighter Cancer Support Network to bring awareness and focus to the rapidly rising issue of cancer in the fire service. Education regarding the prevention and early detection were key topics this year.

STUDENT SERVICES

- Regina Saueracker, Operations Manager
- Angela Cain, Registrar

The Bureau of Firefighter Standards and Training (BFST) Student Services Section at the Florida State Fire College reaches all members of fire and emergency service organizations throughout Florida. As the first line of communication for the BFST, we are proud to assist students through both telephone and internet support and answering questions related to fire certifications, registration and dormitories. In addition, we provide guidance to all guests on campus.

Exceptional customer service is our main focus.

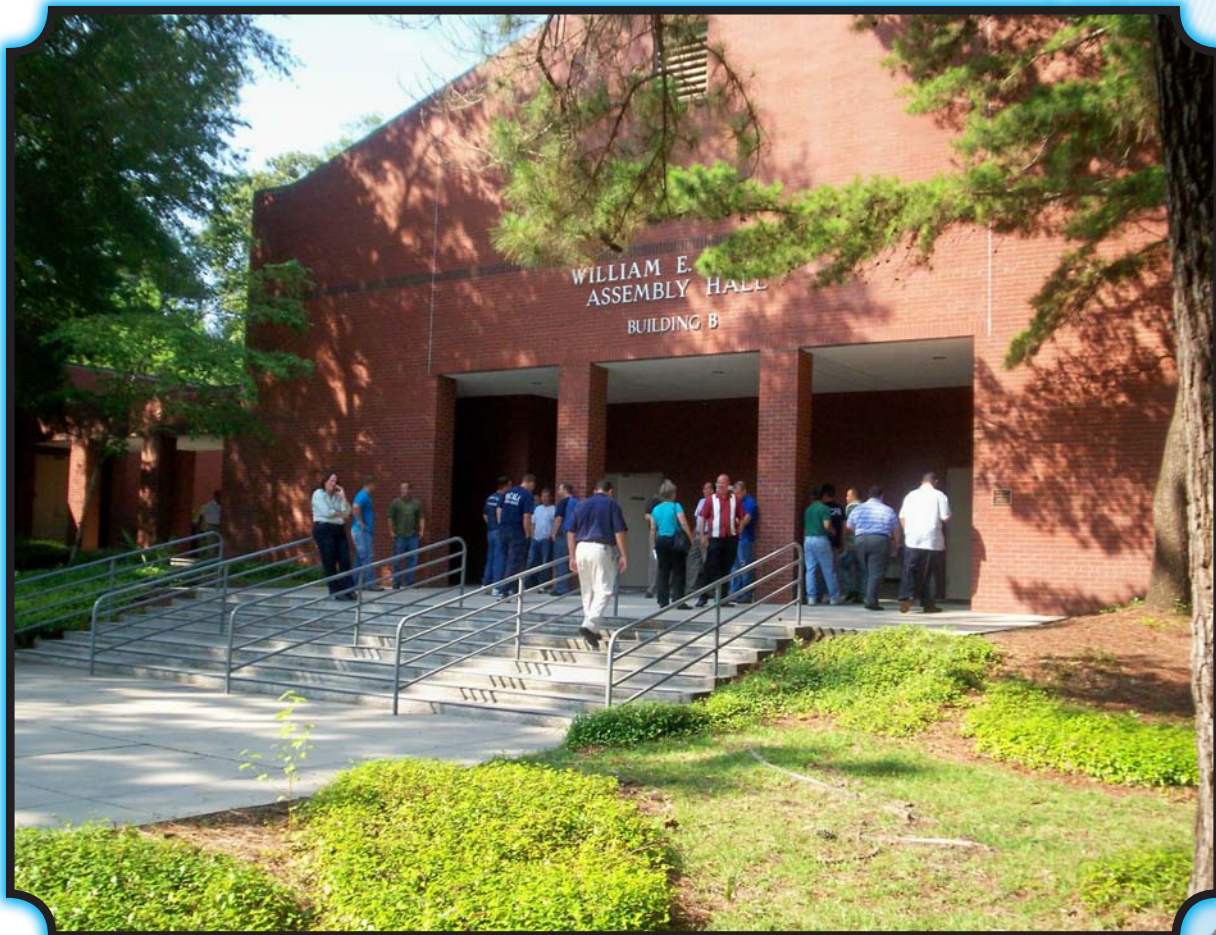




We regularly visit with classes and review employer surveys to ensure the learning experience at the Florida State Fire College exceeds the expectations of our students and their respective organizations. We have recently implemented a weekly survey for students who stay in the dormitory, and the feedback has helped us to make recent improvements such as refrigerators, power strips and additional lighting in each dormitory room. We will continue to make improvements based on student requests as funding permits. We are still planning for campus expansion which will enhance the learning environment and training programs offered at the Florida State Fire College. Simply put, "We hear you!"

In addition to serving as Registrar for the Florida State Fire College, the Student Services Section operates the Fire College Bookstore and coordinates dormitory reservations and facility availability for all on-campus providers and specialty groups utilizing the Fire College for training.

The Section provides administrative support to all groups as needed and coordinates all events with our maintenance and housekeeping teams to ensure our on-campus classes and training programs are always a "positive" experience. Our continuing goal is to exceed your expectations. Let us know how we are doing.



Bureau of Fire Prevention



Casia Sinco
Bureau Chief

The Bureau of Fire Prevention continues to direct its resources to maintaining its core mission, which centers on the reduction of life loss and property damages due to fire. The Bureau's variety of compliance and enforcement programs including boiler inspections, licensure of fire-related industries, explosives and fire code development are constantly updated to improve efficiency, ensure customer service and safety, and remain current with statutorily

mandated changes. The Bureau manages its programs through its four functional areas of Plans Review, Inspections, Regulatory Licensing and Boiler Safety.

Accreditation Efforts

In October 2011, the Bureau of Fire Prevention achieved a momentous goal. The Bureau became the first stand-alone fire prevention unit (FPD 100) in the nation to achieve accreditation through the International Accreditation Service, Inc. (IAS), in partnership with the Center for Public Safety Excellence (CPSE). All sections of the Bureau and the full complement of services were accredited, encompassing code enforcement (plans review and inspection), regulatory licensing (permitting), and boiler safety (inspection). The accomplishment of accreditation allowed scrutiny and review of the Bureau by an objective, qualified and standard-based organization and will ensure the Bureau continues to achieve high levels of performance in delivery of all our services to the citizens of Florida.

Efficiency Measures

The Bureau has made significant gains in improving efficiency this past year. The successful internal implementation of a web-based, bureau-wide,

single-software solution has allowed for all Bureau sections to share information and transfer services between sections much faster than with the previous paper-centered system. The next phase of implementation has begun and the Bureau anticipates the expansion of its services via the internet, including online receipt and processing of payments, to be fully functional by the end of 2013.

The 2010 edition of the Florida Fire Prevention Code was also prepared for adoption in 2011. Its focus is incorporating as few Florida-specific amendments to the base code as possible. This initiative is consistent with the state's simplified approach to rules influencing economic development while still maintaining a high level of fire safety for all citizens and visitors to Florida.

Public Safety

The Bureau continues to work with public school districts, public colleges and the state university system to streamline fire inspection services to these facilities. The Bureau continues to make public education efforts toward campus fire safety a primary objective of the Bureau programs with a keen focus on resident housing. The Bureau's annual inspection requirements of housing facilities provides a firsthand look at the university housing environment and their required fire protection systems.

Staff Development and Training

The Bureau's professional and administrative staff continue to complete hundreds of hours of continuing education annually to maintain concurrency with the changing conditions in the regulated industries. The Bureau has continued to support initiatives of the National Fire Academy and federal assistance programs aimed at fire and life safety improvement.

Newly assigned responsibilities are molded into the fabric of the Bureau's diverse functional areas. Our staff continues to work with key fire service leaders in code development and interpretation in addition to serving on technical and regional code-development committees, as well as the Florida Building Commission. In conjunction with other





State Fire Marshal - Compliance and Enforcement Bureau of Fire Prevention FY 2010/2011

FY 10/11

Number of boiler inspections completed by Department inspectors	2,535
Number of construction plans reviewed	753
Number of entity requests for licenses, permits and certifications processed within statutorily mandated time frames	9,005
Number of recurring inspections completed	7,667
Number of high hazard inspections completed	7,872
Number of construction inspections completed	2,210
Number of regulatory inspections completed	1,036

Division personnel, the Bureau's staff also performs administrative and field operational roles in support of ESF 4 & 9 (Firefighting and Search and Rescue) during periods of natural or man-made disasters.

BOILER SAFETY PROGRAM

—Mike Burns, Chief Boiler Inspector

The Boiler Safety Program is charged with the enforcement of the Boiler Safety Act as outlined in Chapter 554 of the Florida Statutes. The Department of Financial Services adopts by rule a State Boiler Code for the safe construction, installation, inspection, maintenance and repair of boilers installed throughout the state. The Program annually issues a certificate of competency to qualified applicants who work for licensed boiler insurance companies who are called Special Inspectors. Examinations are given on a quarterly basis to qualified individuals desiring to inspect boilers when requested.

Mike Burns, Chief Boiler Inspector, administers the State Boiler Inspection Program. The Boiler Safety Section staff consists of the Chief, four Deputy Boiler Inspectors and two administrative support staff. Boiler insurance companies employ about 140 Special Inspectors who conduct inspections and submit inspection reports to the Program.

OPERATIONS

At the end of 2011, there were 15,334 registered boilers located in public assembly locations in active



General view of a hot water heater.

service. During that year, the Program's Deputy and insurance company Special Inspectors conducted 2,225 and 7,965 boiler inspections, respectively, for a total of 10,190 inspections. Further, the Program hit a milestone on July 1, 2011, there were no overdue inspections of boilers that were assigned to the state (uninsured). This had never occurred to the staffs' knowledge,





some of whom have been with the Program since the mid-90's.

new system and fine-tuning the software. The biggest impact will occur in mid-July of 2012 when a public portal is established and boiler owners, inspectors and the general public will be able to find documents related to inspection, invoicing, violations and information on specific boilers. Currently, staff are the only ones able to review the boiler database information and must research and communicate information related to specific requests. The portal will increase transparency, allowing access to vital information related to the registered boilers.



Float Type- Low water cut-out.



Float Type- Low water cut-out being disassembled.

Sludge was found in float chamber, which may have prevented proper functioning of device.

While just getting to all the assigned boilers spread across the state with only four Deputy Inspectors is a monumental task in itself; what is done during the inspections is even more critical. For this reason, code violation identification continues to be the primary focus of inspection efforts. Understanding and correctly applying the published rules and codes is key to safe boiler operation.

What completes the cycle is ensuring boiler owners or their representatives understand the requirements and apply the needed resources to remedy any deficiencies. Code compliance is best achieved through good communication with boiler owners as well as educating owners, maintenance personnel and contractors in the State Boiler Code requirements. State Inspectors have accounted for more than half of the 3,326 total violations as a result of the inspections.

Citizen Serve Database

Citizen Serve, a private company awarded the contract to provide a new software program to meet the needs of the Bureau's four subordinate sections, has created a new database to track registered boilers. The software performs functions related to invoicing, violation tracking, reporting and document retention.

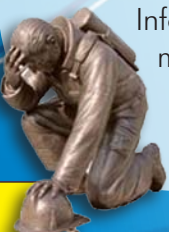
Information from the old database was migrated to the new program in mid-July and staff has worked through the normal growing pains associated with learning a

PLANS REVIEW SECTION

—Karl K. Thompson, Engineer IV

The Plans Review Section of the Bureau of Fire Prevention works with agencies, owners, designers, engineers, contractors and other code enforcement officials to ensure all state-owned and state-leased buildings are compliant with the Florida Fire Prevention Code during design, construction, alterations or renovations. Certified Fire Safety Inspectors examine building plans for occupant safety and the preservation of property and function. Each year this Section reviews hundreds of plans submitted by state agencies, providing services to the citizens and visitors of Florida from simple office renovations to complex new construction projects.

Construction documents and specifications reviews determine that buildings conform to a life safety plan. These plans include the means of egress and evacuation systems and the features of fire protection, detection, smoke management and fire suppression systems. Prescriptive and performance-based codes are applied to enable users the opportunity to meet their specific needs while not restricting the design professionals' creativity and applying new technologies. Alternative application to prescriptive codes requires sound engineering principles, equivalency concepts and redundancy to maintain a desirable level of life safety.





Plans review is a cost effective, value added engineering tool providing guidance while buildings are in the design phase to ensure life and fire safety meets the expectations of the citizens and visitors of Florida. The early identification of potential code problems results in a reduction in construction cost and delays, providing a direct benefit to the taxpayer.

Inspections Section

—George Cooper, Senior Management Analyst Supervisor

The Inspections Section is the largest of four code compliance sections within the Bureau of Fire Prevention. It is a customer-oriented, multi-faceted unit with statutory authority to conduct fire safety inspections in state-owned properties and applicable regulated industries throughout the state from nine field offices within six multi-county regions. The Section assists with the development of the Florida Administrative Code, which includes regulations for occupancies classified by law as uniform buildings and structures. These occupancies include, but are not limited to; hospitals, nursing homes, restaurants, public lodging establishments and childcare facilities. The Section's Personnel also respond to calls for code interpretation and assistance while other personnel continue to participate with the Florida Building Commission and the administration of the Department's Loss Control and Safety Program.



The Section will continue to strive to improve fire safety for Florida's citizens and visitors through gathering, storing and retrieving related critical data which is one of the core responsibilities of the Bureau of Fire Prevention. Public education is also an important part of the State Fire Marshal. Staff of the Inspections Section have been deployed on several disaster incidents. These include deployment to Mobile, AL in support of the Command Center for the Deepwater

Horizon incident. Additionally, staff were deployed to Tuscaloosa, AL to work in the Joint Information Center following the area's tornado outbreak.

Public education efforts of the Section have included basic fire extinguisher training for various state agency employees. The newly learned skills taught and practiced may never be used. However, the Section remains confident that the trained state employees are within their knowledge and level of expertise if ever confronted by a fire in its incipient phase. The regional offices continue to participate in hurricane preparedness programs throughout the state, which are a source of great team-building with its ESF counterparts and local citizens. Special events such as the Florida State Fair, with an estimated annual attendance of over 480,000 visitors and university stadium events routinely receive special inspections for code compliance.

INSPECTIONS REQUIRED BY LAW

Statutory inspections required of the Section are divided into two types, annual and recurring.

The inspections are designed to identify and ensure the correction of any identified fire code violations to reduce the propensity for the start or spread of any uncontrolled fire through prescriptive and performance-based code application.

Properties inspected include, but are not limited to, all state office buildings, universities, prisons, hospitals and specific public and charter schools. All state-owned properties that are classified by statute as high-hazard occupancies are required to be inspected annually.

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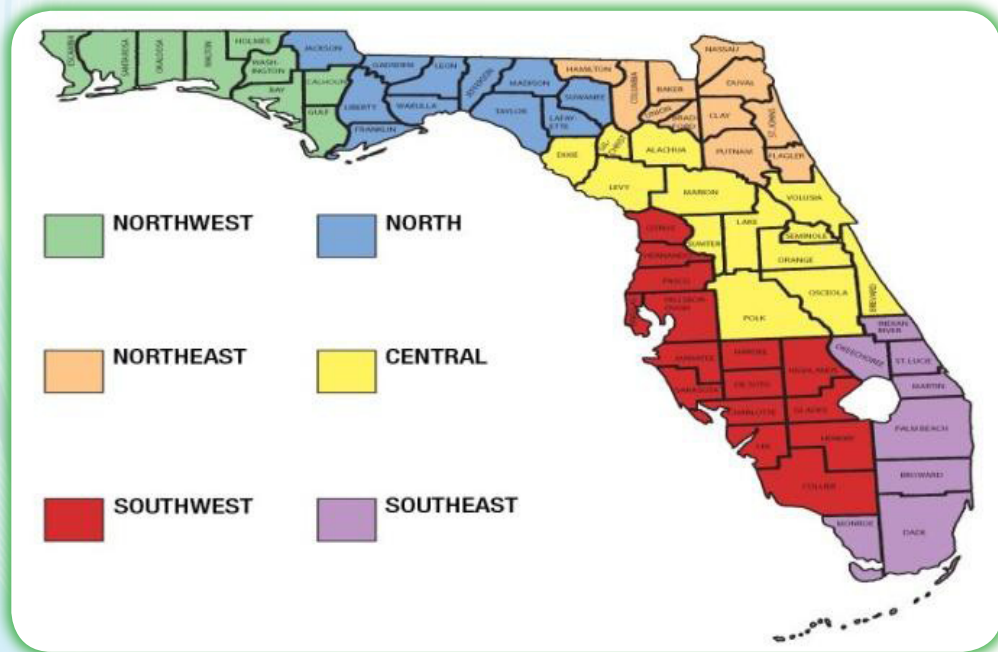




Fire Protection Specialists from the Section also inspect other life safety systems and processes including storage locations for explosives, fire protection systems, licensing activities for fire equipment dealers and investigations of construction mining sites.

The Section also conducts follow-up inspections of fire incidents to identify associated damage from fires, which may have been caused or impacted by fire safety code violations.

For more information about the Inspections Section, contact your local supervisor at the phone number above or email FirePrevention@MyFloridaCFO.com.



Regions	Inspection Field Offices	Supervisor	Phone
Northwest	Ft. Walton Beach	William Shaw	(850) 833-9015
North	Tallahassee	John Walker	(850) 413-3174
Northeast	Jacksonville	John Holley	(904) 798-5805
Central	Orlando/Ocala	Kimberly Mendoza	(407) 893-3655
Southwest	Tampa/Ft. Myers	Agustin Valdes	(813) 972-8605
Southeast	West Palm Beach/Plantation	Fred Chaplin	(561) 640-6705



REGULATORY LICENSING SECTION

—Keith McCarthy, Safety Program Manager

The Regulatory Licensing Section is charged with providing licensing, certification and regulatory enforcement for the Fire Equipment Industry (portable extinguishers and pre-engineered systems), the Engineered Fire Protection System Industry, the Explosives Industry (manufacture, distribution, and use), the Construction Mining Industry, and the Sparkler Industry (manufacture, distribution, wholesale and retail sales) pursuant to chapters 552, 633 and 791 of the Florida Statutes.

The Section is staffed with six personnel who support the activities that surround the five industries statewide.

Licensing of Regulated Industries

The Section's main focus within the year was the implementation of an Internet-based, updated licensing system that will enable all licensing functions to be completed by applicants and regulated entities online. The Internet-based system was initiated within the RIs in August of 2011. Additional features of the new system will include an expansion of the ability for the public to search for licensed fire equipment dealers and fire protection system contractors on the Division's website, which will be active in September, 2012.

Construction Mining and Explosives Industries

The Regulatory Licensing Section is responsible for the issuance of permits to firms engaged in the mining of road base material for the building of roads statewide as well as to individuals and firms who wish to manufacture, distribute, purchase, use and store explosives in the State of Florida. Construction mining permits are issued for 10 years and are subject to an annual inspection of records and mine sites. Explosive licenses and permits expire on September 30th annually and are subject to annual inspection of records and explosive storage facilities.

License Type:

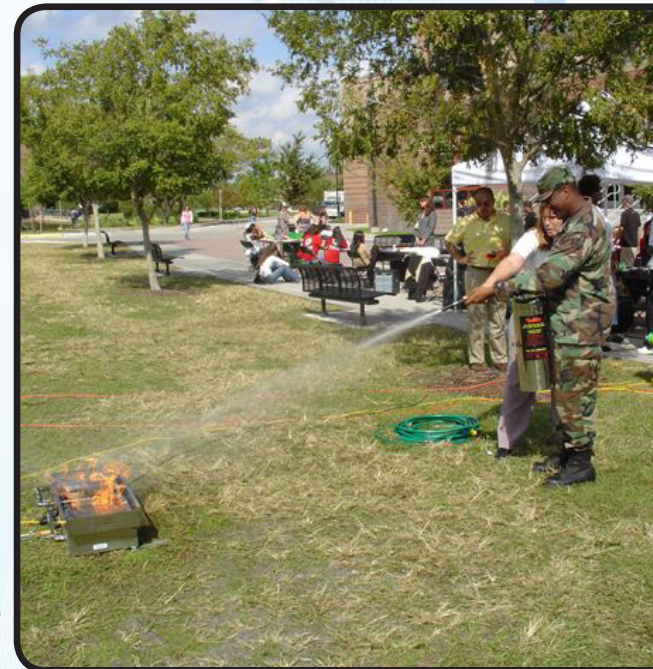
2011

Manufacturer-Distributor of Explosives	27
Dealer of Explosives	12
User of Explosives	183
Blaster Permits	373
Construction Mining Permits	127
Total	722

Fire Equipment Dealers and Fire Prevention Contractors Industries

The Regulatory Licensing Section is the first point of contact for individuals who wish to gain the certification necessary to service and maintain portable fire extinguishers, pre-engineered fire systems and engineered fire sprinkler systems. It also maintains the database of all current licensed entities, including 1,076 fire protection system contractors and 692 fire equipment dealers.

The staff is also responsible for producing photo identification cards for 2,000 fire equipment permittees, 850 pre-engineered system permittees and 238 water-based inspectors employed by certified fire protection system contractors I and II.





License/Permit Type:	2011
Class A Fire Equipment Dealer	139
Class B Fire Equipment Dealer	59
Class C Fire Equipment Dealer	224
Class D Fire Equipment Dealer	270
Portable Extinguisher Permits	2,000
Pre-Engineered System Permits	850
Total	3,542

License/Permit Type:	2011
Fire Protection System Contractor I	192
Fire Protection System Contractor II	444
Fire Protection System Contractor III	31
Fire Protection System Contractor IV	14
Fire Protection System Contractor V	406
Inactive Contractors	85
Water-Based Protection System Inspectors	238
Total	1,325

The Section additionally receives and processes continuing education courses for the fire equipment industry and the fire protection system industry. It also tracks course approvals of those courses attended by industry members and provides technical staff support to the Florida Fire Safety Board. This Board, appointed by the Chief Financial Officer and State Fire Marshal, serves in an advisory capacity to the State Fire Marshal on matters related to the fire equipment and fire protection industries. In addition to the normal responsibilities of this Board during 2011, the Board reviewed and approved 180 continuing education courses. Continuing education coursework for both industries is available by mail or via the Division's website at www.myfloridacfo.com.

Sparkler Industry

The Section issues registrations for individuals or companies wishing to sell sparklers at retail to the general public. These registrations expire annually on January 31st.



The Regulatory Licensing staff, in conjunction with the Bureau of Forensic Fire and Explosives Analysis, receives and processes products from licensed wholesalers and distributors of sparkler products nationwide. The staff jointly documents and maintains a database of the products submitted, reviews chemical analysis reports and weighs and performs functional tests on each item to ensure compliance with Chapter 791, Florida Statutes. Eighty-four new products were approved during the 2011 product testing. The approved list was updated and is comprised of 2,039 approved products, available on the Division's website at www.myfloridacfo.com.

Registration Type:	2011
Manufacturer of Sparklers	0
Distributor of Sparklers	11
Wholesaler of Sparklers	66
Retailer of Sparklers and Retail Locations	488
Seasonal Retailer of Sparklers	3,360
Total	3,925

Product Submission: 2011

Sparkler Products Submitted: **84**

Enforcement Actions

This Section is the first point of contact for members of the public wishing to lodge a complaint regarding any of the regulated industries, including the construction materials and mining activities in their area. The staff is responsible for fielding phone calls, noting all relevant information and passing the complaints to the appropriate Inspection Section personnel for review and inspection. This Section also continues its ongoing role in developing and monitoring the Florida Administrative Code related to the industries regulated and works jointly with the Inspection Section personnel to ensure the proper inspection and regulation of the licensed entities.

Bureau of Forensic Fire and Explosives Analysis



Carl Chasteen
Bureau Chief

The Bureau of Forensic Fire and Explosives Analysis continues to process forensic evidence and images related to crime scenes, as well as maintain the high standards of its international accreditation. The Bureau's mission continues to be to provide the highest quality of relevant forensic services with the resources available. The necessity for credible forensic analyses is covered in the news every day. Public agencies, the courts and the people demand that forensic

laboratories provide quality analyses that can be relied on to assist with investigations and lay a foundation for prosecutions. In the forensic discipline of fire-debris analysis, the results of our analyses may also be used after the criminal investigations are closed by insurance providers to investigate and determine fraudulent claims. The prosecution and conviction of criminals removes them from the streets and makes our citizens and visitors safer. Helping to reveal possible insurance fraud helps to reduce the costs for insurance paid by the citizens and businesses of the state. The Bureau's history and commitment to providing credible high quality services is unwavering.

The Bureau is located outside of Tallahassee, FL, on the grounds of the Florida Institute for Public Safety (formerly, the Pat Thomas Law Enforcement Academy), off of Route 90 West between Midway and Quincy, FL. The State Fire Marshal of Florida is one of only three State Fire Marshals in the United States to have its own dedicated forensic laboratory which analyzes evidence from fires or explosions.

Our Services

Fire-debris analysis, identification of unknown chemicals and explosives analysis are the primary services provided by the Bureau. Chemical analysis is exclusive to the Chemistry Section. This Section

consists of one Crime Laboratory Analyst and three Senior Crime Laboratory Analysts. The Imaging Section is where forensic video analysis, photographic/image archiving and reproduction of records for public or investigatory requests are performed. The Imaging Section consists of one Crime Laboratory Analyst and two Forensic Technologists. One of the Forensic Technologists also receives, tracks and maintains the physical evidence submitted to the Bureau. A Maintenance Mechanic oversees facility mechanical operations, repairs, upkeep and security. The Bureau has a part-time OPS Receptionist whose primary responsibilities are the preparation of case folder blanks, scanning completed reports, emailing reports to submitters and data input of performance measures for select staff.

Evidence from fire and explosions often are some of the most difficult types of forensic evidence with which to work. The analyst is attempting to extract and identify a post-burn or post-explosion mixture of chemical residues from a background substrate (carpet, soil, cloth, etc.) after it also has burned or been affected by an explosion. The background substrate often contains a mixture of many of the same compounds as are found in ignitable liquids or other chemical residues of interest. The difficulty lies in determining what is extraneous (or added by the criminal) and what is inherent to the substrate. Our analysts must have the correct combination of skill, equipment and knowledge to be able to characterize ignitable liquids or explosive residues.

The key tool in performing all of our analyses is the expertise of our laboratory personnel. All analysts in the Chemistry Section have a minimum of Bachelor's Degrees in chemistry or another natural science, with a heavy emphasis on chemistry. Most have completed additional graduate level studies as well. This expertise is augmented by the availability of various analytical instruments including; gas chromatographs with mass spectrometric detectors (GC/MS), ion chromatograph with mass spectrometric detector (IC/MS), X-Ray fluorescence spectroscopy (XRF), Fourier transform infrared spectroscopy (FTIR), Raman



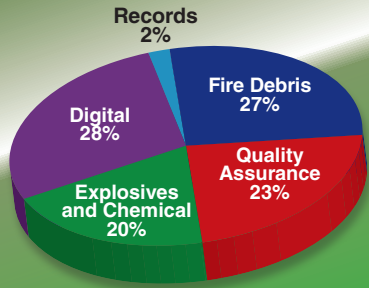


spectroscopy (Raman) and ion mobility spectrometry (IMS). In addition, various classical wet chemical techniques are used.

archival and processing purposes. In 2011, the digital darkroom processed 3,959 cases containing 207,260 separate images.

The Bureau has equipment to import, analyze, manage and archive video from most video media. The placement of closed-circuit security cameras has grown significantly. It is estimated that each of us is caught on film from eight to 12 times each day. These cameras are in ATMs, businesses, government buildings, private residences, etc. As these cameras capture images, they often will capture video of either individuals committing a crime or individuals associated with a crime. It is logical then that these images have become an important piece of the investigative puzzle. In some cases, the Bureau has been able to aid in the physical recovery and restoration of damaged video-capture devices and media.

Service requests by type 2011



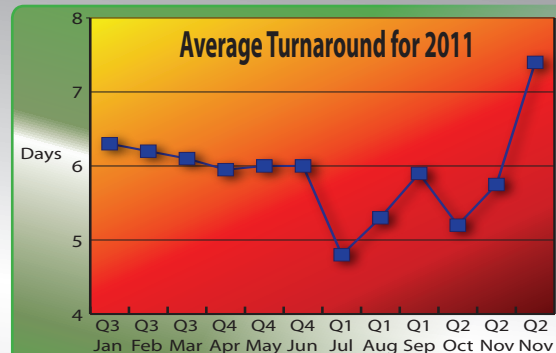
The presence of an ignitable liquid from the area of origin of a fire aids investigators in determining the origin or cause of a fire. The identity of chemicals in explosive scenes aids investigators who characterize the type and source of the explosives. Identification of chemicals from clandestine laboratories allows investigators to charge perpetrators with the operation of illegal laboratories. In the calendar year 2011, the Bureau analyzed 1,998 cases with 3,868 fire debris sample analyses and 2,875 explosives/unidentified chemical analyses. Over 3,282 quality assurance samples were also analyzed in order to ensure the efficiency and quality of the laboratory's extraction, analysis and interpretation procedures.

When a fire debris or explosives sample was submitted to the Bureau, the average turnaround time to complete the analysis in 2011, was 6.7 days. All laboratory services are provided to all law enforcement, fire department or public investigative agencies without charge. Analysts are made available for expert testimony when a proper subpoena is presented.

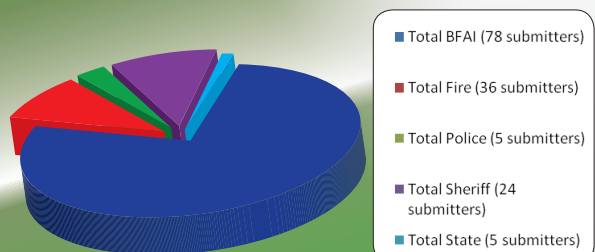
In our Imaging Section, digital images of crime scenes are processed, placed into a database and archived. The digital darkroom is also equipped to scan conventionally developed photographs into a digital format for

Our Customers

Our customer satisfaction survey is conducted twice each year (October and April) and provides statistics on who submitted samples to the Bureau during the survey period. From July 1, 2011, to December 31,



Percent of Submissions





All Services Merged	Percent	Percent	Percent	Percent	Percent
Ranking	V. High	High	Neutral	Low	V. Low
Satisfaction with the work product	56.43%	36.07%	7.14%	0.36%	0.00%
Usefulness of the work product in closing cases	59.12%	31.39%	9.12%	0.37%	0.00%
Impact on investigator or agency if services were lost	68.38%	23.16%	8.09%	0.37%	0.00%
Quality of personal contact with BFFEA staff	62.50%	26.56%	10.16%	0.39%	0.39%

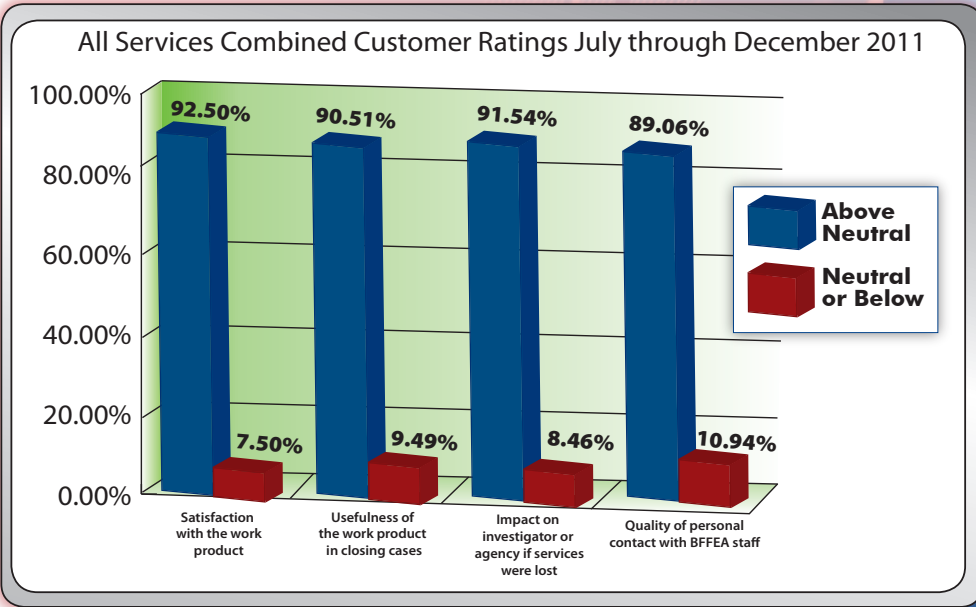
2011, we found that most evidence requiring chemical analysis was submitted by the Bureau of Fire and Arson Investigations (71.6 percent of all samples). The BFAI field offices with the greatest number of submissions was a tie between Jacksonville and Tampa, with each providing 12.5 percent of BFAI-generated samples. These field offices were closely followed by Plantation (12.2 percent), and Fort Myers (11.4 percent). The Bureau additionally received evidence for chemical analysis from police departments (1.8 percent of all submissions), fire departments (14.8 percent of all submissions) and sheriff offices (11.2 percent of all submissions) from across the State of Florida. An additional 0.6 percent of chemical analysis samples were submitted by other state agencies and the federal government.

The submissions from sheriff offices are almost exclusively for the identification of non-drug chemicals seized during investigations of clandestine drug (methamphetamine) laboratories. The Bureau will not perform drug analyses, but will use its expertise and instrumentation to identify the hazardous, flammable and potentially energetic materials found in clandestine laboratories. Often the identification of these chemicals is as important in obtaining a conviction as finding the drugs themselves.

The processing and archiving of digital still images is performed exclusively for the Bureau of Fire and Arson Investigations. Forensic video processing is approximately one-third from BFAI and the other two-

thirds from other law enforcement agencies.

The survey of customers who submitted samples for analysis or processing from July 1, 2011, to December 31, 2011, was sent to 141 customers. A total of 95 (67.4 percent) responded to portions of the survey relevant to the services they used. A review of the survey responses will be posted to the Bureau's portion of the State Fire Marshal website. The responses were very positive and the results of the survey where all of the Bureau's services were combined are reproduced below:



Condensing the results to comparing only the responses that ranked high plus very high against all that ranked neutral or lower shows clearly that the Bureau is meeting the





needs of its customers and is providing them with a valuable and useful resource.

Submitting Samples

Forensic evidence must be submitted to the Bureau either by hand delivery or via a certified courier (United States Postal Service – registered/certified mail only, Federal Express, United Parcel Service, etc.) Please use our submission form available through our portion of the State Fire Marshal’s website, http://www.myfloridacfo.com/SFM/lab/BFEA_index.htm. Please be aware that there are federal as well as courier-specific restrictions regarding the shipment of materials. Specifically, you must also be aware that certain items must be listed as “dangerous goods” and thus have special labeling requirements. Some items may even be prohibited from being shipped. Other items may have an “excepted quantities” variation. The Bureau has a guide on its website that provides more details on the submission of samples.

BFEA will return, rather than store, evidence after the samples are tested and a report is mailed or emailed. Bureau of Fire and Arson Investigations evidence will either be transferred to a BFAI representative for secure storage or, if requested, returned to the submitter. If BFAI evidence is needed for court, the BFAI representative should be contacted. All other evidence from non-BFAI agencies is returned to the submitting agent.

Training & Professional Representation

Bureau staff is available to train personnel from other agencies in various aspects of forensic science, digital imaging and evidence preservation. We are also a training ground for new forensic scientists. Since 1995, we have offered and provided internships to students from various universities to learn forensic science and be exposed to the work and instrumentation required. These internships also help us by providing additional workers at no cost to the state to assist in many projects at the Bureau while they are here.

While many of our former interns have chosen to work in forensic science laboratories, many have chosen to go on to graduate programs in forensic science and chemistry, medical school or law school.

We have hosted students from the following schools:

- ▄▄▄ Florida State University
- ▄▄▄ Florida Agricultural and Mechanical University
- ▄▄▄ University of Central Florida
- ▄▄▄ Eastern Kentucky University
- ▄▄▄ University of Wisconsin at Platteville

Our employees contribute to the profession of forensic science through involvement in professional organizations. Often we are more than members and are chosen for leadership positions.

These include:

- ▄▄▄ The International Association of Arson Investigators (IAAI) - Former Chair of the Forensic Science Committee
- ▄▄▄ The American Society of Crime Laboratory Directors (ASCLD)
- ▄▄▄ The American Society for Testing and Materials (ASTM) – E30 Criminalistics Sub-Committee
- ▄▄▄ The Technical Working Group on Fire and Explosions (TWGFEX) – Former Facilitator, Chair, and current Vice-Chair
- ▄▄▄ The American Board of Criminalistics (ABC) - Fellow Association of Forensic Quality Managers
- ▄▄▄ Property and Evidence Association of Florida (PEAF)





Accreditation

The Bureau has long insisted on customer service and quality. To enhance this, the Bureau sought and received accreditation in 2010, from the American Society of Crime Laboratory Director's Laboratory Accrediting Board International (ASCLD/LAB-International) as the accrediting body which best fit the Bureau's goals. Our accreditation under their standard as well as the International Organization for Standardization's (ISO) Standard for Testing Laboratories #17025 was re-affirmed in October, 2011, in the forensic sub-disciplines of fire-debris analysis, explosives analysis and analysis of unknowns following a surveillance visit by ASCLD/LAB-International lead assessor. The process to maintain accreditation is detailed and time-consuming, as it requires continual observance and review of all laboratory-quality documents: quality manuals, standard operating procedures, test methods, compliance manuals, training programs, forms, etc. In addition, the Bureau regularly completes an internal audit of one to two laboratory sections or processes each month. Two laboratory staff, Chief Carl Chasteen and Senior Analyst Perry Michael Koussiafes are also qualified ASCLD/LAB-International assessors and may be called upon by ASCLD/LAB-International to be on teams that inspect and audit other ASCLD/LAB-International-accredited laboratories.



Sr. Crime Analyst Carl Lugviel testing a sample



Bureau of Fire and Arson Investigations



Joseph Steadman
Bureau Chief

The Bureau of Fire and Arson Investigations is the law enforcement branch of the Division of State Fire Marshal. The core mission of the Bureau is: *"To effectively prevent, discourage, investigate and prosecute arson and arson-related crimes for the protection of Florida citizens and their property."*

I have dedicated my career to being a member of this elite organization of trained fire and arson investigators. Over

the years I have had the privilege of working with many of the detectives within the Bureau and consider them to be the best in the field. The investigative mission is solidly supported by a team of skilled criminal intelligence analysts and dedicated support staff who ensure that we continue to meet the mission of the Bureau of Fire and Arson Investigations. The result is the perfect combination of experience and industrious attention to duty, driven by the desire to reduce victimization and arson incidences.

During 2011, we received 3,571 new requests for investigations. This year, the Bureau conducted investigations on properties that resulted in estimated losses of over \$150 million. Of this estimated property loss, approximately \$41 million was attributed to the crime of arson. Sworn personnel of the Bureau made arrests in 429 investigative cases in 2011, resulting in the arrest of 540 defendants. The numbers are staggering, and we are working harder

than ever to ensure that those responsible for arson are apprehended and prosecuted.

This was a tremendous year for the Bureau, and it is the men and women of the organization who deserve all of the recognition for our success. Sondra Mutchler, Administrative Secretary in the Ocala Field Office, received the *International Association of Arson Investigators Mary E. Fields Fire Investigations Support Achievement Award* for her many years of commitment to supporting the investigative mission of the agency. Captain Ross Holt, who has served the Bureau for more than 33 years, was recognized with the *Charles P. LaCorte, Jr. Fire Investigator Achievement Award* for his unwavering dedication to the field of fire investigation. Detective Neil Zierden was honored with both the *Florida Advisory Committee on Arson Prevention Investigator of the Year Award* and was nominated for the *State Law Enforcement Chiefs' Association Investigator of the Year Award*. This level of dedication can be found in the faces of all the members of the Bureau of Fire and Arson Investigations. Each member understands that arson affects everyone; it invades a community, threatening business and family security. We will continue as a team to do all we can to achieve reductions in the crime of arson while enlisting the help of valuable partnerships. Throughout this document you will not only read about the major accomplishments of this agency but the results of working together with our partners in law enforcement and the fire service. We continue to strive to meet and exceed the parameters of our mission,

and it is with gratitude to the diligence of our Bureau members and our partners in service that we present our successful year in the following pages.

**Arson affects everyone;
it invades a community,
threatening business and
family security.**

The Bureau is staffed statewide by 127 members, including a Bureau Chief, two Majors, six Regional Captains, one Special Operations Captain, 17 Lieutenants, 75 Detectives, eight Crime Intelligence Analysts and 17 civilian support personnel. The Bureau is under the direction of Chief Joseph Steadman.



SPECIAL OPERATIONS SECTION

This Section supports field operations and coordinates the following specialty teams:

- ➔ Four Hazardous Device/Explosive Ordnance Disposal Teams (EOD)
- ➔ Five Accelerant Detection K-9 Teams (ADC)
- ➔ One Explosives Detection K-9 Team (EDC)
- ➔ Forensic Investigative Support Team (FIST)
- ➔ 10 Computer Voice Stress Analysis Operators (CVSA)
- ➔ State Fire Marshal Honor Guard

In addition, Special Operations is responsible in assisting man-made and natural disaster Emergency Support Functions 4 (Firefighting), 9 (Search and Rescue) and 16 (Law Enforcement); the BFAI Training Section; the Crime Intelligence Analyst Unit; regional Domestic Security funding; wireless communications; logistics; public information; equipment tracking and the monitoring of budget activities. The Special Operations Section is under the direction of Captain Janet Hartman. Captain Hartman can be reached by calling (850) 413-3720.

Training Section

The Bureau's sworn law enforcement members are highly trained and qualified in the field of arson detection. Detectives regularly complete investigative processing of fire scenes, determine the origins



and causes of fires and explosions, conduct latent investigations, make arrests, execute searches, complete seizures and provide expert testimony in judicial proceedings. The Training Section is dedicated to developing the skills, knowledge and service of sworn members. In-service training programs are provided to members to enhance investigative abilities, and high-liability law enforcement training is provided to ensure safety in these interactions.

Computerized Voice Stress Analysis Unit

The Computerized Voice Stress Analyzer (CVSA) with a specially trained operator is thought to be one of the most acceptable, least intimidating and least intrusive means to verify truthfulness. These units are utilized as a tool to assist with determining truthfulness in criminal investigations performed by the Bureau. The Bureau has 10 CVSA units and certified operators.

Forensic Investigative Support Team and Statewide Arson Task Forces

Since the early years of the Bureau, the task force concept has been considered the most efficient and effective method of investigating large or complex fire or explosion scenes. In the past, a task force was comprised of available investigators who worked in close proximity to the fire scene. In October, 2001, the bureau recognized the need to develop and train a specialized team to provide a complete and thorough investigation of large or complex fire and explosion scenes and established the Forensic Investigative Support Team (FIST).

The primary objective of FIST is to reduce incendiary fires by effective investigation and prosecution of those who commit arson. FIST also provides the necessary personnel to conduct the preliminary investigations to determine the origin, cause and circumstances of a fire so the resources of the local Bureau offices are not significantly burdened. This is done by providing an immediate and sustained statewide response team to large or complex





fires and explosions, where state-of-the-art equipment and the most qualified personnel are used to assist the citizens of Florida at the city, county or state level.

Hazardous Device/Explosive Ordnance Unit

The Florida State Fire Marshal's Bomb Squad is comprised of four teams throughout the State of Florida which provide rapid response to hazardous incidents. During 2011, the teams responded to 334 calls for service which included render safe operations of suspicious items, disposal of hazardous materials, dignitary protection and agency assistance. This year, 12 dignitary operations were provided including foreign heads



of state and the President of the United States. In addition, 51 training classes with 287 participants were provided to public safety agencies in the areas of Post Blast Investigations and Improvised Explosive Device (IED) recognition. The teams also educated members of the private business sector in the area of bomb threat management and protection. Routinely, the teams are required to provide bomb-related protection at large spectator venues such as NASCAR races, air shows, grand prix races and other highly populated events. Community outreach and education is an important mission for the teams, and in 2011, they participated at 21 events statewide. The teams respond to

calls and participate in events during the year while also continuing to work their primary job of arson investigations.

EOD and SWAT Partnership Results in Subject Capture

On September 2, 2011, at approximately 10:00 pm, Auburndale Police Officer Stacy Lee Booth responded to a residence regarding a 911 hang-up. When she arrived and walked up to the front door, she was shot multiple times with an SKS assault rifle. She was able to radio for help and a nearby resident sheltered her in her garage. The Auburndale Police Department and Polk County Sheriff's Office established a perimeter on the offender's house while Officer Booth was removed from the garage and taken by ambulance to an awaiting helicopter for transport. The Polk County Sheriff's Office SWAT Team requested the assistance of the State Fire Marshal EOD Team to assist with the remaining barricaded subject. Three members of the Bureau: Major Brandon Ball, Lieutenant Eric Saccasyn and Investigator Chris Nicolussi responded and deployed an ICOR robot. The robot was utilized to breach the front door and locate the suspect inside the

structure. EOD members were able to direct the SWAT team to the location of the suspect and advise his condition until his capture. Officer Stacy Booth survived the life-threatening injuries from multiple gunshots to her arm and stomach. She is recovering and is currently in physical therapy for her injuries. She is working tirelessly towards a full recovery and is hopeful that she will be able to continue her career in law enforcement.



Chief W. Nolan McLeod with Stacy Booth, the recipient of the 2011 Polk County Police Chief's Association Officer of the Year Award



ACCELERANT DETECTION UNIT (K-9)

In 1998, the Bureau implemented an Accelerant Detection Canine Program with financial and technical support from State Farm Insurance Company. The assistance provided by State Farm funds scholarships for training fees, canine acquisitions, lodging during training, chemist certification of canines and all transportation expenses related to training the teams in Alford, Maine. This mutually beneficial partnership was

established in an effort to enhance the investigators' ability to identify evidence of liquid accelerants utilized by arsonists and has been functioning well since its inception. Each K-9 unit functions as a team with one trained Accelerant Detection Dog and one trained Law Enforcement Detective. Currently, the Bureau has five Accelerant Detection K-9 teams located statewide. Bureau K-9 teams responded to 624 requests for assistance in 2011.



Canine Commander
South Region – Plantation
Captain Ross Holt & Ember



South Central - Lake Wales
Detective Mike Douglas
& Misty



Northeast - Ocala
Detective Garrett Carlisle
& Raven



Northeast – Jacksonville
Detective Robert Redding
& Molly



Northwest – Panama City
Lieutenant Tom Barron
& Amy



Explosive Detection K9 - Tampa
Lieutenant Eric Saccasyn
& Jordan

Bureau of Fire and Arson Investigations K-9 Unit





EXPLOSIVES DETECTION K-9

Canine Jordan is a 2 year-old German Shepherd and Labrador mix. She is specially trained to detect and locate the presence of compounds and materials used in the construction of explosive devices. The team is certified by a Master Trainer from the North American Police Work Dog Association (NAPWDA).

In Memoriam

Savannah was one of the first

State Farm-sponsored ADK-9s placed in service with the Division of State Fire Marshal. She retired from active service in April, 2005, following an outstanding career. On March 13, 2011, an event was held in Bay County honoring all current and past law enforcement working canines. Lt. Tommy Barron and his K-9 partner Amy attended this event in honor



of his retired K-9 partner Savannah. During this ceremony, Savannah was recognized for her eight years of service to the State Fire Marshal's Office, Bureau of Fire and Arson Investigations.

Xena and her handler,

*The Bureau honors retired
Accelerant Detection Canines
Savannah and Xena*

Lieutenant Eric Saccasyn, graduated and were certified as an Accelerant Detection K-9 Team by Maine Specialty Dogs on September 8, 2000. During her career with the Bureau of Fire and Arson Investigations, Xena is credited with investigating 591 suspicious fires that resulted in 116 arson arrests. Xena will be best remembered for her ability to respond by barking when Lieutenant Saccasyn spoke French and her ability to demonstrate "stop, drop and roll." Xena retired on August 10, 2007, and lived with Eric and his family until she passed away in September.



Retirement

Accelerant Detection Canine **Misty** retired April 1, 2011, after six years of dedicated service. K-9 Misty began her career with BFAI in April of 2005. On her third day on the job, she assisted in an arrest of a man who set his daughter's house on fire and fled into the woods. K-9 Misty made several alerts inside the house and when the suspect was found, several alerts were made on his socks and shoes. The suspect was arrested for domestic violence and later confessed to the arson. K-9 Misty averaged over 100 canine assists each year including 27 out-of-region assists in Jacksonville, Ocala, Tampa, Bartow, Fort Lauderdale and Miami.





CRIME INTELLIGENCE ANALYSIS UNIT

The Bureau of Fire and Arson Investigations formed the Crime Intelligence Analyst Unit (CIA) in 1994. The Unit supports the enforcement efforts of the Bureau and assists detectives with arson investigations. Crime Intelligence Analysts are trained to provide intelligence and investigative analysis:

- *Intelligence Analysis* — the study of criminal organizations and enterprises to support the investigation and prosecution
- *Investigative Analysis* — crime scene, psychological and forensic analysis used in arson cases

Three levels of analysis are provided on a daily basis to law enforcement agencies throughout the state:

- *Tactical Analysis* — searching for series, patterns, sprees and hot spots
- *Operational Analysis* — designed to achieve a specific law enforcement outcome which may include arrests or the disruption of criminal activities
- *Strategic Analysis* — provides information for decision-making and operations over a longer term

The CIA Unit is currently comprised of a CIA Supervisor and seven Certified Crime Intelligence Analysts. Analysts are located statewide with one analyst serving in each of the six regions and one analyst assigned to headquarters. Analysts are carefully selected for their education, skills and ability to work effectively with a team.



Samuel Venzeio, Crime Intelligence Analyst Supervisor

Sam Venzeio has been employed with the Division of State Fire Marshal since 2003. He received a Bachelor's Degree in Operations Management from National Louis University and received his certification as a Law Enforcement Crime Analyst from the Florida Department of Law Enforcement in 2006. Prior to his employment with the State Fire Marshal, Sam served 20 years in the United States Army in the Intelligence field.



Deborah Laird, Crime Intelligence Analyst II, Northwest Region

Deborah Laird has been employed with the Division of State Fire Marshal since 1993. Deborah attended the University of Louisville in Kentucky and has completed continuing education at local community colleges. In 2001, she completed Anacapa Science Criminal Intelligence Analysis training in Miami. She attended the Florida Department of Law Enforcement Analyst Academy and received her certification as a Law Enforcement Analyst in June, 2006.



Audrey Woody, Crime Intelligence Analyst II, North Region

Audrey Woody has been employed with the Division of State Fire Marshal since 1985. Audrey completed Initial Fire Investigations (NFA) in 2000, Anacapa Science Criminal Intelligence Analysis 80-hour law enforcement training in 2001, Information Security Officer Training in 2003, and received her certification as a Law Enforcement Crime Analyst from the Florida Department of Law Enforcement in 2006.





Sylvia Mathis, Crime Intelligence Analyst II, Northeast Region

Sylvia Mathis has been employed with the Division of State Fire Marshal since 1994. Sylvia received her Certified Public Manager designation in 2004, and certification as a Law Enforcement Crime Analyst from the Florida Department of Law Enforcement in 2005.



Heather Duffield, Crime Intelligence Analyst II, North Central Region

Heather Duffield has been employed with the Division of State Fire Marshal since 2002. Heather received a Bachelor's degree in Criminal Justice in 2002, from the University of Central Florida and received her certification as a Law Enforcement Crime Analyst from the Florida Department of Law Enforcement in 2006. Heather currently holds the position of Secretary for the Florida Fire Investigators Association.



Jeanne Parker, Crime Intelligence Analyst II, South Central Region

Jeanne Parker has been employed with the Division of State Fire Marshal since 2006. Jeanne received two Bachelor degrees, one in Criminal Justice studies and the second in Criminal Forensic studies, from Florida Gulf Coast University. She received her Law Enforcement Crime Analyst certification from the Florida Department of Law Enforcement in 2010. Prior to joining the Bureau, she served nearly 20 years dispatching for several law enforcement agencies, including the Florida Highway Patrol, Florida Gulf Coast University Police Department, Sanibel Police Department and the Ohio State Highway Patrol.



Summer Jerla, Crime Intelligence Analyst II, South Region

Summer Jerla has been employed with the Division of State Fire Marshal since 2000. Summer received a Bachelor's degree in Criminology with a minor in Psychology from Florida State University in May, 1999, and a Masters in Criminal Justice with a specialty in Behavioral Science through the Center for Psychological Studies, Nova Southeastern University, in July, 2007. Summer received her certification as a Law Enforcement Crime Analyst from the Florida Department of Law Enforcement in December, 2006.



Luvenia Hill, Crime Intelligence Analyst II, Headquarters

Luvenia Hill has been employed with the Division of State Fire Marshal since 1981 and has served as a CIA for Headquarters since 1994. Luvenia received her Certified Public Manager designation in 2004, and certification as a Law Enforcement Crime Analyst from the Florida Department of Law Enforcement in 2005. Luvenia serves as the Terminal Agency Coordinator for the FCIC/NCIC system, the point of contact for Driver and Vehicle Information Database (DAVID) and Vice-Chair for the Regional Work Group with the Florida Department of Law Enforcement.

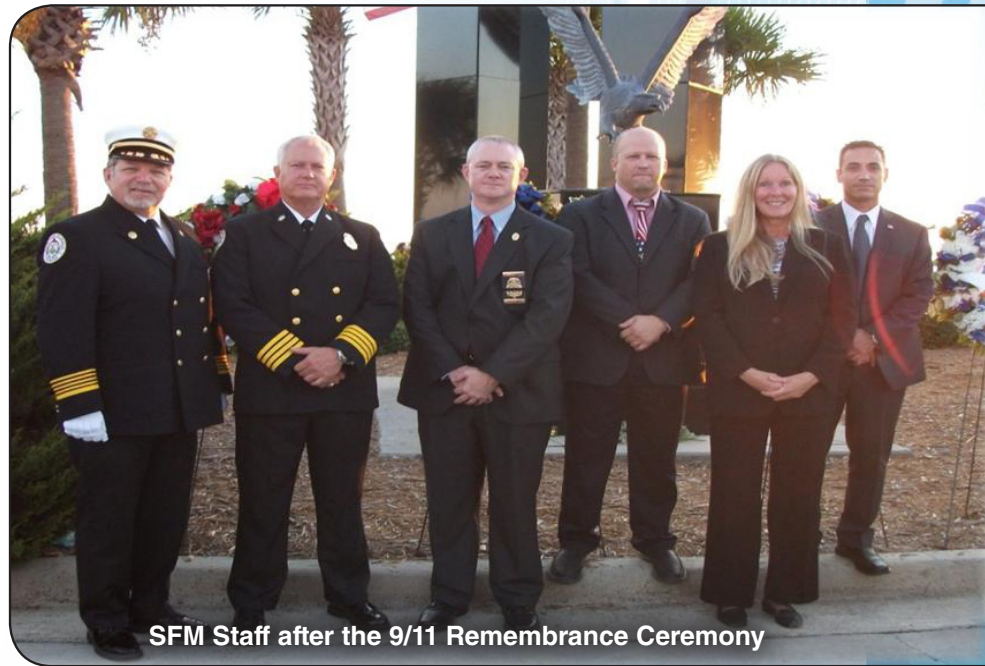




The Bureau's Crime Intelligence Analysts are highly regarded for providing timely and reliable intelligence. This is critical for officer safety and to support the identification of arson-related criminal activities and expeditious apprehension of identified arson-related criminals. The Unit's research and analytical skills have led to the identification of numerous arson subjects and suspects throughout the past 18 years. CIA involvement on significant task forces has helped collapse arson-related crimes on major cases. CIAs demonstrate significant dedication to bring cases to fruition in support of successful prosecution.

Panama City Hosts 9/11 Ten Year Anniversary Remembrance

The 9/11 Memorial at the Panama City Marina was the setting for the ten year anniversary event. The Ceremony of Remembrance was hosted by the Panama City Fire Department along with representatives from all aspects of the public safety field and military services. The Division of State Fire Marshal, Bureau of Fire and Arson Investigations, Northwest Region was the regional host, and State Fire Marshal Director Julius Halas was a keynote guest speaker. "The fallen heroes are, and should be, remembered and honored," he said. "But thousands of people put their lives on the line to protect their neighbors simply by going to work, and they are equally deserving of our thoughts and respect." Also attending the event were Lieutenant Colonel Mark Sauls, Chief Joe Steadman, Lieutenant Tommy Barron, Captain Gloria Whitehurst and Captain Thomas Bosco (see photo inset).



SFM Staff after the 9/11 Remembrance Ceremony

The ceremony not only honored the spirit of uniformed public servants who died, but also the innocent civilians who were killed. A reading of names of the 600 responders, military personnel and flight crews who died on 9/11 began after the keynote speakers addressed those in the audience. A five wreath dedication concluded the event, which honored fallen officials from law enforcement, fire departments, emergency service, military personnel and civilians.



Director Halas with host Fire Chief Jerry Prater at ceremony





Cases of Interest

NORTH REGION

Fireworks Prank Goes Bad

On June 28, 2011, the Tallahassee Fire Department requested investigative assistance for a two-story residential structure located in the Golden Eagle Community in Tallahassee, FL. An origin and cause investigation was conducted and revealed that the fire originated in the office area of the home. The point of origin was determined to be located near the window. The window was found to be broken from the outside and a mortar (fireworks) was located in the burned debris. The owners reported being upstairs and hearing someone ring the doorbell. While heading to the door, they heard a loud crash and discovered a fire in the office.



A joint latent investigation with the Leon County Sheriff's Office and the State Fire Marshal's Office identified several juveniles in the area as suspects. Interviews conducted with the juveniles revealed that they were responsible for the fire. However, they stated that it was an accident and that the mortar, which was going to be shot off into the air when the occupants of the home opened the door, tipped over and shot into the window, causing the fire. The juveniles

were originally charged with criminal mischief but upon reviewing the case by the State Attorney's Office, the charges were upgraded to arson. It was believed that the juveniles intentionally broke the window of the office and shot the mortar round into the room. At trial, the judge ruled in favor of the prosecution, and the juveniles were found guilty of arson.

Love Church Burglarized and Burned

On May 16, 2011, the Franklin County Sheriff's Office requested investigative assistance for a commercial structure located on 10th Street in Apalachicola, FL. The building was occupied by the Love Center Holiness Church. An origin and cause investigation was conducted and revealed that the fire originated in the pastor's office and was incendiary in nature.

A subsequent joint investigation was conducted by the Franklin County Sheriff's Office, Apalachicola Police Department, Florida Department of Law Enforcement, (FDLE) Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) and the State Fire Marshal's Office. With the cooperation of community members, information was obtained that phone calls were being made from the Love Center phone lines prior to the fire. A suspect was identified and questioned. Initially he reported that he was dropped off at the Love Center and the doors were unlocked. Follow-up investigation revealed that the building was broken into and several items stolen just





prior to the fire. The suspect's mother was interviewed and reported picking the suspect up at the Love Center and removing items from the building before the fire. The suspect was arrested, charged and plead guilty to committing the crimes.

NORTHWEST REGION

Midway Baptist Church Sustains \$750,000 in Fire Damage

On the evening of March 22, 2011, the Springfield Fire Department was alerted to a call involving a 7,000 square-foot structure occupied by Midway Baptist Church. At the request of the fire department, Detective Matt Streichert responded to the scene.



Due to the building's size and the amount of damage it had sustained, Detective Streichert requested additional investigative personnel and equipment to assist in the investigation of this fire.

Captain Gloria Whitehurst, Lieutenant Tommy Barron, Detective Jayson Deese, Detective Tony Grice and Detective David O'Dell responded with supplementary fire investigation equipment. Per agency protocol regarding church fires, ATF, FDLE and the Federal Bureau of Investigation (FBI) were also notified of this incident. ATF responded to the scene and assisted in the investigation.

The investigative team concluded that the fire to this single-story concrete block construction building was the result of an electrical malfunction that occurred within a storage room. No injuries were reported as a result of this fire or investigation.

Disgruntled Employee Destroys Boss's Boat

On August 13, 2011, the Destin Fire Control District requested investigative assistance of a reported explosion and ensuing fire to a boat that was docked at the Marabella Yacht Club in Destin. Detective Mike Miller responded to the scene involving a 28 foot Wellcraft commercial fishing boat. The vessel, valued at \$75,000, was destroyed by the fire and was submerged on the bayou floor. Other boats docked in the surrounding area of the Wellcraft also received damage, resulting in an estimated total to exceed \$250,000.

During the suppression of this fire, a firefighter was injured, requiring him to be transported to the hospital. Detective Miller, assisted by the Okaloosa County Sheriff's Office, developed a suspect believed to be responsible for this fire. The suspect was interviewed and admitted his role in the fire, stating that he intentionally set the fire using an accelerant. He further stated that he was motivated to destroy the boat because the boat captain owed him \$65. The perpetrator was arrested and charged with arson, throwing a destructive device, armed burglary to a conveyance and arson resulting in injury. He was recently sentenced to 99.8 months in state prison for his crimes.

NORTH CENTRAL REGION

Homeowner Shows Resistance to Firefighter Assistance

Unlike most fires where the homeowner seeks a quick response to extinguish the blaze, the homeowner left the scene to attempt to block the initial responding fire truck with his vehicle at the front gate of his community. Once the Port Orange Fire Department arrived on scene, they attempted to make entry through the front door of the home and found that it had been nailed shut from the inside. The residence was considered a total loss, with more than \$300,000 in damages. During the investigation, four empty red plastic gasoline containers and a cane wrapped with a





cloth around it to be utilized as a torch were found. Amid the debris was also \$40,000 in cash which had been strewn throughout the house. The Port Orange Police Department assisted with the collection and secure storage of the money. Upon completion of the investigation and extensive follow-up, State Fire Marshal Detectives obtained an arrest warrant for arson of the dwelling; the homeowner was arrested out-of-state.

Fire Investigation Leads to Discovery of a Murder Victim

On April 8, 2011, the State Fire Marshal's Office was requested by the Orange County Fire Rescue Department to investigate a structure fire with one fatality. While conducting an outside perimeter examination, a black ski mask was discovered nearby. After notifying the Orange County Sheriff's Office, a K-9 search was conducted and additional evidence was located. Orange County Homicide Detectives and crime scene technicians responded. Once the K-9 search was completed, the origin and cause investigation determined that the fire was intentionally set. It was later determined that the victim had succumbed to gunshot wounds and smoke inhalation. The investigation led to the arrest of two suspects who are currently awaiting trial for murder and arson.

Unusual Burn Pattern Leaves Behind Many Questions

On November 30, 2011, the Lake County Fire Department requested investigative assistance for a vehicle fire. Upon arrival,

detectives initiated an investigation on a 2006 Chrysler 300 which had been reported stolen. The fire self-extinguished prior to the fire department's arrival. As seen in the photograph, there is what appears to be an unusual burn pattern sustained to the asphalt roadway. A sample of fire debris was collected from the interior passenger compartment, and an asphalt sample was collected and submitted to the State Fire Marshal's laboratory for analysis. At this time no arrests have been made and the investigation continues.



NORTHEAST REGION

St. Augustine Explosion

On August 19, 2011, St. Johns County Fire Rescue responded to an explosion at a gas station with above-ground bulk tanks in St. Augustine, FL. Upon arrival, they discovered a fuel vapor explosion that appeared to have originated at a tanker semi that was filling tanks with gasoline. The subsequent fire spread to the convenience store and garage on the premises, as well as a neighboring auto body shop. The driver stated that he had allowed a tank to overflow while filling it, and when he attempted to shut off the fuel valve, he was injured in the subsequent explosion.





Damage was estimated at over \$1,000,000. Fire crews from the St. Johns County Fire Department, Jacksonville Fire Department, US Navy Fire Department and Northrop Grumman Fire Department fought the blaze. The St. Johns County Sheriff's Office and the State Fire Marshal's Office investigated this incident.

Jacksonville Arson-Homicide

On May 11, 2011, the Jacksonville Fire and Rescue Department and Jacksonville Sheriff's Office responded to a blue 2003 Chevrolet Impala that was discovered burning in Jacksonville, FL. At the time, Jacksonville Fire Rescue and Jacksonville Sheriff's Office personnel believed that the fire was accidental from a crash and the Bureau of Fire and Arson Investigations was not notified. Two days later, Anturious Kendall Johnson, a 24 year-old, black male was reported missing to the Jacksonville Sheriff's Office. It was reported that the victim was last seen driving the blue 2003 Chevrolet Impala. On May 15, the victim was found deceased as a result of gunshot wounds a short distance from where the vehicle had been burned. The Jacksonville Sheriff's Office Homicide Unit requested the assistance of the Bureau of Fire and Arson Investigations to conduct an origin and cause investigation. During the investigation of the victim's vehicle, numerous items of evidence were recovered, including one of the cartridge casings used in Johnson's murder.



Antoni L. Knight



William I. Holmes



Frederick D. Johnson

The ensuing investigation conducted by Jacksonville Sheriff's Office Homicide Unit revealed that the victim had been set up in a drug deal to be robbed by 20 year-old Antoni L. Knight, 19 year-old William I. Holmes and 20 year-old Frederick D. Johnson. Knight, Holmes and Johnson were arrested on charges of homicide, armed robbery and arson. They are currently incarcerated without bond and are awaiting trial in the Duval County Jail.

Ocala Arson-Homicide

On August 5, 2011, Marion County Fire Rescue requested investigative assistance of a single-family structure fire in Ocala, FL. There were four victims who died as a result of gunshot wounds: two adult females and two children. The fire scene investigation revealed the fire originated in a bedroom and was intentionally set. The follow-up investigation was conducted by the Marion County Homicide Task Force. The Marion County Sheriff's Office



arrested 31 year-old James Edward Bannister on four counts of First Degree premeditated murder and one count of First Degree arson to an occupied structure. He is currently incarcerated without bond and awaiting trial in the Marion County Jail.

SOUTH CENTRAL REGION

Lehigh Acres Commercial Fire

The Florida State Fire Marshal's Ft. Myers Field Office was requested by the Lehigh Acres Fire Department to assist in investigating a 33,000 square-foot commercial structure fire that occurred on July 11, 2011. The structure, P&L Foods Incorporated, is a





food distribution center that was stocked primarily with coffee and 40,000 gallons of vegetable oil. It took 75 firefighters and more than 20 hours to extinguish the fire. The warehouse suffered extensive structural damage and partial collapse resulting in a \$3.8 million fire loss.



suspects were identified, apprehended and charged with First Degree arson and First Degree murder.

Warehouse Fire in Winter Haven

On May 15, 2011, the Polk County Fire Rescue requested investigative assistance at a commercial structure warehouse fire in Winter Haven, FL. Detective Jeff Batz of the Bureau of Fire and Arson's Lake Wales Field Office responded and conducted the origin and cause investigation. The building was an

Lead Investigator Adam Rivero and members of the Lee County Arson Task Force joined forces to determine the origin and cause of the fire. It was determined that the fire occurred when electrical wiring conduit piping had been compromised, most likely due to being struck by heavy equipment operated within the warehouse. Exposed, energized electrical wires caused arcing to ignite the combustible products being stored there.

Five Charged with First Degree Murder and Arson in Tampa

During the early morning hours of September 22, 2011, five white males ranging from adolescent to young adult age, burglarized the home of a 67 year-old man with the intent to steal money. During the burglary of the occupied home, the victim was physically beaten, stabbed numerous times and left to die. One of the five assailants set the home on fire to destroy any evidence of what had occurred.

First responders to the scene found the structure heavily engulfed in fire, and the occupant was found alive and still inside. Unfortunately, he would later die as a result of his injuries. The Bureau of Fire and Arson Investigations Tampa Field Office conducted the fire scene examination to determine origin and cause. The examination concluded that common combustibles had been ignited within the bedroom. The five



approximately 10,000 square-foot metal building used as an auction warehouse. The building was full of items to be auctioned off the next day. Fire crews spent approximately eight hours on suppression and overhaul of the structure. Detective Michael Douglas and Accelerant Detection K-9 Misty also responded to assist with the fire investigation. The fire was tracked to the northeast corner of the structure in the area of the power service entry. The fire was consistent with a lightning strike from storms that had been in the area earlier that morning. A lightning strike analysis from the





Division of Forestry confirmed a nearby lightning strike around the time of the initial alarm. Estimated loss was around \$250,000. The fire was ruled accidental.

SOUTH REGION

Lightning Strike Results in Loss of \$2.5 Million Dollar Home

On August 17, 2011, the Florida State Fire Marshal's Office was requested to respond to a fire that occurred in Vero Beach. Detective Greg Gilkey from the West Palm Beach Field Office responded to assist the Indian River Shores Public Safety Department in determining the origin and cause of the fire. Upon arrival, it was determined that the \$2,500,000 residence was a total loss.



During the investigation, an area of origin was located on the exterior of the structure where a possible lightning strike had hit the home. Crime Intelligence Analyst Summer Jerla completed research and confirmed that there were numerous lightning strikes in the area just prior to the fire being reported. The strike appeared to cause a surge throughout the residence in the attic area. Remarkably, an electrical outlet found outside of the area of origin had blown out of the wall due to the surge. A more in-depth lightning strike reading was completed and resulted in determining a lightning strike within 50 yards of the area of origin. The fire was found to be accidental, due to lightning strike.

Miami Beach Art Deco District Arsonist Captured

In February of 2011, the Miami Beach Fire Department requested an investigation of four structure fires that occurred to abandoned buildings within the historic Art Deco District on Miami Beach.



A team of investigators including Captian Ross Holt and K-9 Ember, Lieutenant Joe Schwartz, Detective Charles Toledo, Detective James Milton, Detective Greg Gilkey, Detective Anthony Mozealous and Detective Alex Galan responded to the various scenes. Crime Intelligence Analyst Summer Jerla responded to provide investigative support and analysis. As a result of an extensive investigation, Joel Paul Williams was identified and arrested on February 16, 2011. He was charged with arson for two of the fires and burglary of an occupied structure. It is suspected that he is responsible for setting as many as 10 fires in the Miami Beach area. Williams is known to be a drifter with multiple previous arrests and is a multi-state offender.





Recognition and Awards

Sondra Mutchler, Administrative Secretary in the Ocala Field Office, received the International Association of Arson Investigators Mary E. Fields Fire Investigations Support Achievement Award for her many years of commitment to supporting the investigative mission of the agency.

Captain Ross Holt, who has served the Bureau for more than 33 years, was recognized with the Charles P. LaCorte, Jr. Fire Investigator Achievement Award for his unwavering dedication to the field of fire investigation.

Detective Neil Zierden was honored with both the Florida Advisory Committee on Arson Prevention Investigator of the Year Award and was nominated for the State Law Enforcement Chiefs' Association Investigator of the Year Award.

Requests for investigative assistance can be made 24 hours a day through the following State Law Enforcement Radio System (SLERS) Communications Centers:

Dispatch Centers		BFAI Region(s)
Tallahassee	(800) 459-6861	Northwest and North
Jacksonville	(800) 387-1290	Northeast and North
Tampa	(866) 369-4613	South Central
Orlando	(800) 226-5350	North Central
Miami	(305) 470-2500	South
Ft. Myers	(866) 833-2715	South and South Central
Lake Worth	(561) 357-4000	South

Bureau Statistics:

During the calendar year 2011, the Bureau of Fire and Arson Investigations received 3,571 new requests for investigative assistance from fire departments, law enforcement agencies, federal and state agencies, individuals and insurance companies.

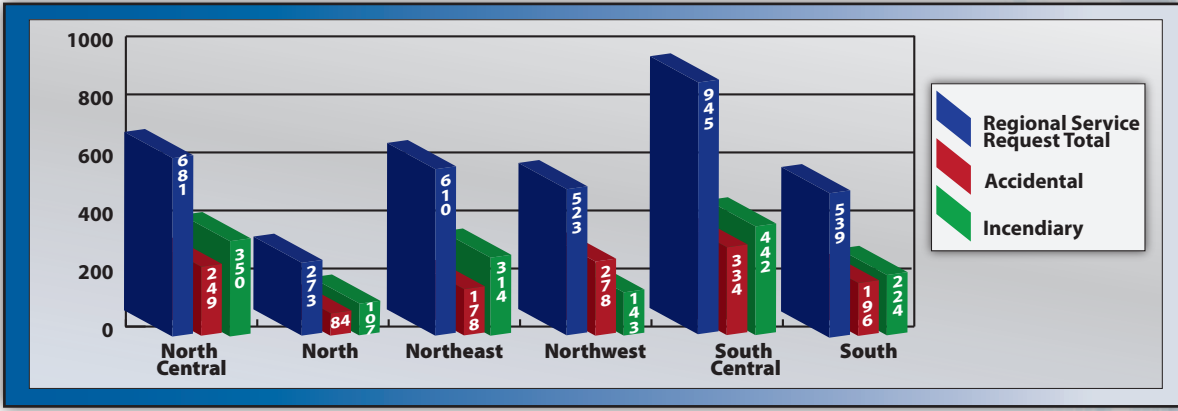
Investigative responses are classified according to type of incident:

Attempted Fire	19	Miscellaneous – EOD	66
Explosion	33	Miscellaneous – Other	196
Fire	3,257		

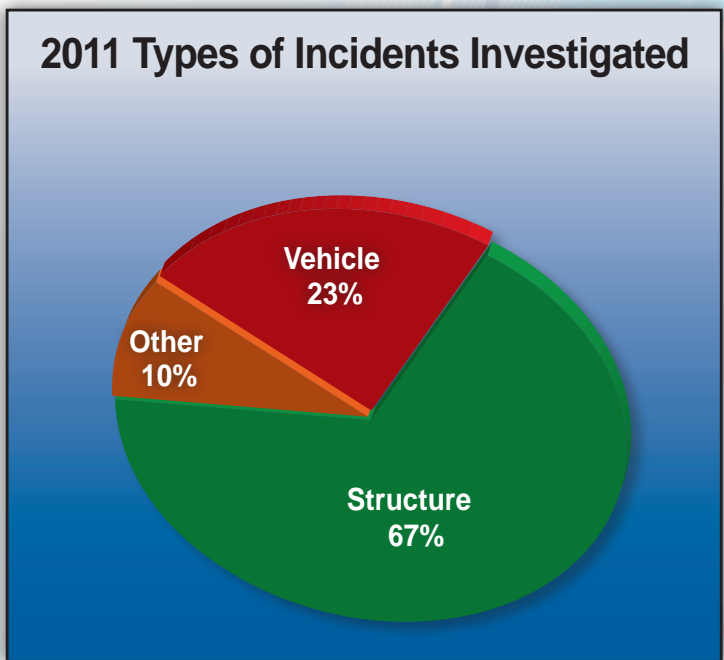
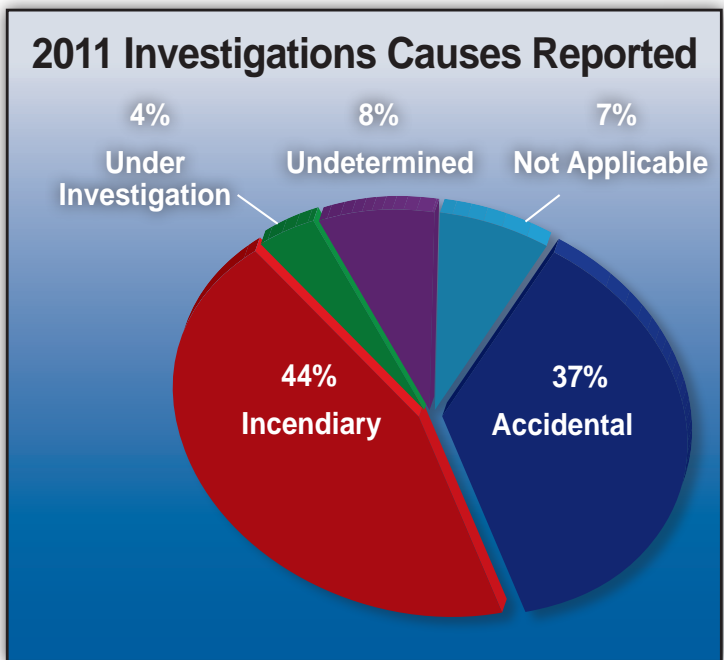
— Overview of 2011 Bureau Statistics —

This year the Bureau conducted investigations on properties that resulted in estimated losses of over \$150 million. Of this estimated property loss, approximately \$41 million was attributed to the crime of arson.





The Bureau classifies their investigative findings as – *incendiary*, *accidental*, *undetermined* or *not applicable*. An *incendiary* fire is defined as “a willfully and unlawfully set fire.” A *not applicable* finding is used when an investigation involves a non-fire related incident such as outstanding warrants, suspicious packages or other non-fire requests for assistance.





Arrests

Sworn personnel of the Bureau made arrests in 429 investigative cases in 2011, resulting in the arrest of 540 defendants. This information is based on an arrest date occurring in 2011, and often includes on-going investigations from previous years, not only cases initiated in 2011. Of the 429 cases with arrests, 260 of these investigations were classified as incendiary fires and resulted in the arrest of 319 defendants. This represents an arrest clearance rate for incendiary fires of 19 percent, which is above the reported national arrest percentages of 16 to 18 percent. Charges against the perpetrator(s) included arson, burning to defraud the insurer, false/fraudulent insurance claim, murder/arson, grand theft, criminal mischief and possession/placement/discharge of a destructive device, along with other related crimes.

In addition to arrests made in association with incendiary fire cases, our sworn Detectives will often encounter situations that may result in additional arrests that are often not associated with arson-related crimes (i.e. burglary, fraud, assault, probation violation, drug/drug paraphernalia and wanted persons). Bureau Detectives arrested 221 defendants for these types of criminal activities.

Arson Penalties

Arson is a devastating crime and the penalties associated with arson reflect Florida's commitment to hold offenders accountable. In Florida, the crime of arson is punishable by imprisonment, fines and restitution. Currently under Florida law, anyone who willfully starts a fire which damages a dwelling, a structure occupied by a person, or any structure where persons are normally present is guilty of a first-degree felony punishable by up to 30 years in prison. In cases where a juvenile is convicted of arson, state courts can order restitution to be paid by the parents of the juvenile arsonists. Florida law permits juvenile arsonists as young as 14 years of age to be prosecuted as adults.



2011 Florida Fire Appendix

BUREAU OF FIRE AND ARSON INVESTIGATIONS FIELD OPERATIONS

DISTRICT I

Major Mark Trammell is the Commander of Field Operations for District I, comprised of three geographic regions (Northwest, North and Northeast).

NORTHWEST REGION

The Northwest Region is comprised of eight counties covering 6,064 square miles. The Region is divided into two field offices: Pensacola and Panama City.

Captain Gloria Whitehurst, Regional Commander
(850) 453-7803

Gloria.Whitehurst@myfloridacfo.com

The Pensacola Field Office is comprised of Lt. Kevin Fiedor and six law enforcement detectives.

Pensacola Office: (850) 453-7803

Counties of Assignment: Escambia, Santa Rosa, Okaloosa and North Walton

The Panama City Field Office is comprised of Lt. Thomas Barron and four law enforcement detectives.

Panama City Office: (850) 747-5888

Counties of Assignment: Bay, Holmes, Washington, South Walton and Gulf

The Region is supported by an administrative secretary and a crime intelligence analyst located in Pensacola. The Northwest Region responded to 523 requests for service this year. Of those requests, 278 accidental fires and 143 incendiary fires were investigated.

Specialized Units: Explosive Ordnance Disposal Team (EOD), Accelerant Detection Canine Team (ADC), Computer Voice Stress Analyzer (CVSA), and Crime Intelligence Analyst (CIA)

NORTH REGION

The North Region is comprised of 13 counties covering 9,719 square miles.

Captain Thomas Bosco, Regional Commander
(850) 413-3900

Thomas.Bosco@myfloridacfo.com

The Tallahassee Field Office is comprised of Lt. Jason Roberts and six law enforcement detectives.

Tallahassee Field Office: (850) 413-3900

Counties of Assignment: Calhoun, Franklin, Gadsden, Hamilton, Jefferson, Jackson, Lafayette, Leon, Liberty, Madison, Suwannee, Taylor and Wakulla

The Region has one administrative secretary and one crime intelligence analyst. The North Region responded to 273 requests for service this year. Of those requests, 107 accidental fires and 84 incendiary fires were investigated.

Specialized Units: Explosive Ordnance Disposal Team (EOD), Computer Voice Stress Analyzer (CVSA), Crime Intelligence Analyst (CIA)

200 East Gaines Street
Tallahassee, Florida 32399-0341
(850) 413-3173
Mark.Trammell@myfloridacfo.com





NORTHEAST REGION

The Northeast Region is comprised of 16 counties in the Northeast Florida area. The Region is divided into two field offices located in Jacksonville and Ocala.

Captain Phil Roman, Regional Commander

(904) 798-5804

Phil.Roman@myfloridacfo.com

The Jacksonville Field Office is comprised of Lt. Robby Stephens and seven law enforcement detectives.

Jacksonville Field Office: (904) 798-5804

Counties of Assignment: Baker, Bradford, Clay, Duval, Nassau, Putnam and St. Johns

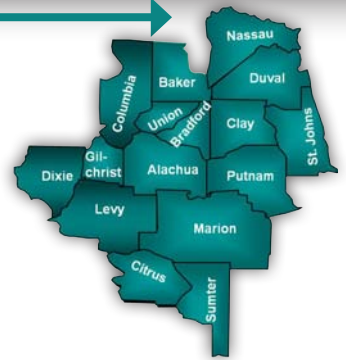
The Ocala Field Office is comprised of Lt. Matt Legler and seven law enforcement detectives.

Ocala Field Office: (352) 369-2801

Counties of Assignment: Alachua, Citrus, Columbia, Dixie, Gilchrist, Levy, Marion, Sumter and Union

Each field office is supported by an administrative secretary and the Region has one crime intelligence analyst. The Northeast Region responded to 610 requests for service this year. Of those requests, 178 accidental fires and 314 incendiary fires were investigated.

Specialized Units: Accelerant Detection Canine Team (ADC), Computerized Voice Stress Analyzer (CVSA), Crime Intelligence Analyst (CIA)



DISTRICT II

Major Brandon Ball is the Commander of Field Operations for District II, comprised of three geographic regions (North Central, South Central and South).

1950 Longleaf Boulevard, Suite 7
Lake Wales, Florida 33859
(863) 679-4180
Brandon.Ball@myfloridacfo.com

NORTH CENTRAL REGION

The North Central Region consists of seven counties and is divided into two field offices located in Orlando and Daytona Beach.

Captain Bernie Kleinschmidt, Regional Commander

(407) 893-3654

Bernie.Kleinschmidt@myfloridacfo.com

The Orlando Field Office is comprised of Lt. Cindy Campina and Lt. Jason Herrman with nine law enforcement detectives.

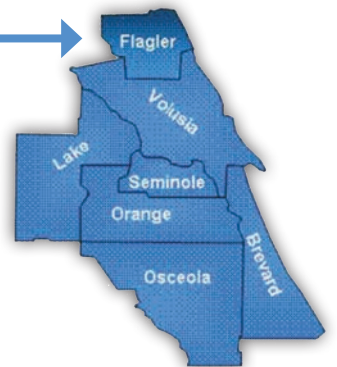
Orlando Field Office: (407) 893-3654

Counties of Assignment: Orange, Osceola and Lake

The Daytona Beach Field Office is comprised of Lt. Greg Kunkle and five law enforcement detectives.

Daytona Beach Field Office: (386) 323-0904

Counties of Assignment: Brevard, Seminole, Volusia and Flagler



Each field office is supported by an administrative secretary and the Region has one crime intelligence analyst. The North Central Region responded to 681 requests for service this year. Of those requests, 249 accidental fires and 350 incendiary fires were investigated.

Specialized Units: Computer Voice Stress Analyzer (CVSA), Crime Intelligence Analyst (CIA), Accelerant Detection Canine Team (ADC)





SOUTH CENTRAL REGION

The South Central Region consists of 13 counties totaling 11,568 square miles. The Region is comprised of field offices in Tampa, Lake Wales and Fort Myers.

Captain Tammy White, Regional Commander

(813) 972-8604

Tammy.White@myfloridacfo.com

The Tampa Field Office is comprised of Lt. Eric Saccasyn and seven law enforcement detectives.

Tampa Field Office: (813) 972-8604

Counties of Assignment: Hernando, Hillsborough, Manatee, Pasco, Pinellas and Sarasota

The Lake Wales Field Office is comprised of Lt. Stacy McIntyre and six law enforcement detectives.

Lake Wales Field Office: (863) 679-4180

Counties of Assignment: Polk, Highlands, Hardee and DeSoto

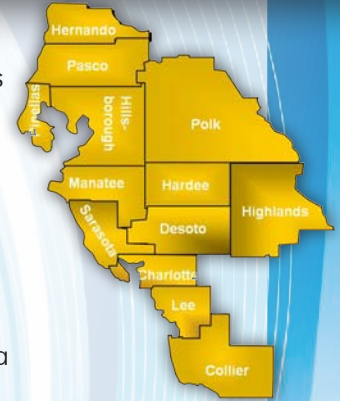
The Fort Myers Field Office is comprised of Lt. Joseph Minervini and five law enforcement detectives.

Ft. Myers Field Office: (239) 278-7525

Counties of Assignment: Charlotte, Collier and Lee

Each field office is supported by an administrative secretary and the Region has one crime intelligence analyst. The Crime Intelligence Analyst Unit Supervisor is located in the Tampa Field Office. The South Central Region responded to 945 requests for service in 2011. Of those requests, 334 fires were classified as accidental and 442 were classified as incendiary. The SC Region Bomb Squad (EOD Team) responded to nearly 50 requests for service. Members of Team South Central arrested over 140 suspects for a variety of crimes from arson to homicide.

Specialized Units: Computerized Voice Stress Analyzer (CVSA), Explosive Ordnance Disposal Team (EOD), Accelerant Detection Canine Team (ADC), Explosives Detection Canine Team (EDC), Crime Intelligence Analyst (CIA) and a Crime Intelligence Analyst Supervisor (CIAS)



SOUTH REGION

The South Region consists of 10 counties, with offices located in West Palm Beach and Plantation.

Captain Ross Holt, Regional Commander

(954) 321-3704

Ross.Holt@myfloridacfo.com

The Plantation Field Office is comprised of Lt. Joseph Schwartz and nine law enforcement detectives.

Plantation Field Office: (954) 321-3704

Counties of Assignment: Broward, Dade and Monroe

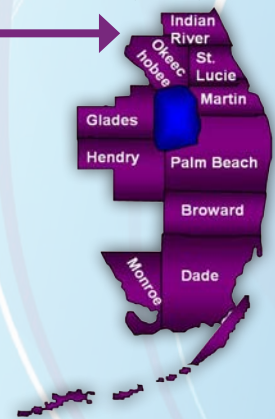
The West Palm Beach Office is comprised of Lt. Anthony Stafford and three law enforcement detectives.

West Palm Beach Office: (561) 640-6704

Counties of Assignment: Glades, Hendry, Indian River, Martin, Okeechobee, Palm Beach and St. Lucie

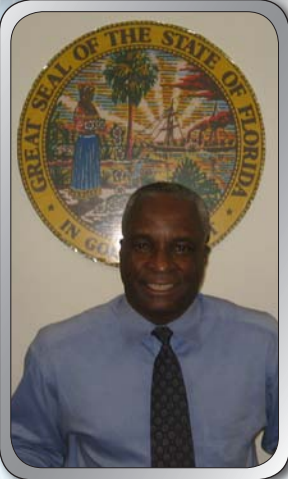
The Region is supported by an administrative secretary and one crime intelligence analyst. The South Region responded to 539 requests for service this year. Of those requests, 196 accidental fires and 224 incendiary fires were investigated.

Specialized Units: Computerized Voice Stress Analyzer (CVSA), Crime Intelligence Analysts (CIA) and an Accelerant Detection Canine Team (ADC)





Florida Fire Incident Reporting System



Keith McCarthy,
Safety Program Manager

The Florida Fire Incident Reporting System (FFIRS) was established under F.S. 633.115 and charged with collecting, evaluating and making available information about Florida fires, Emergency Medical Services (EMS) and the people who protect the citizens of the State of Florida. The information presented in this report is based primarily on data from the FFIRS Section. Professional and dedicated

firefighters in the State of Florida are the original sources of the 2.5 million individual fire and EMS incident reports submitted by local fire departments throughout Florida in 2011.

Thanks to the support and efforts of the Division of State Fire Marshal (SFM), the Fire & Emergency Incident Information System Technical Advisory Panel (FEIISTAP) and fire service professionals at the state and local level, this information is available for use in directing efforts in reducing the state's fire problem. The compilation of data reported to this section also helps to more accurately assess and subsequently combat the fire problem at a national level.

WHAT CAN FFIRS DO FOR FLORIDA'S FIRE DEPARTMENTS?

- Assist with justification of budget requests and provide a basis for resource allocation
- Generate statistical FFIRS reports
- Assess department activity on a national scale including EMS, department apparatus, wild land fires and personnel activities
- Summarize annual activities
- Answer questions about the nature and causes of injuries, deaths and property loss resulting from fires
- Determine needed improvements within the department (i.e., response time, training)
- Predict fire-related problems within your community
- Measure the success of fire prevention and safety programs

The United States Fire Administration (USFA) data entry tool software is available to NFIRS users and is accessible from the NFIRS website, www.nfirs.fema.gov/webtools. Access to the tools is still granted through user accounts, and the accounts are still created and managed by your state NFIRS program manager.

The Division of State Fire Marshal manages FFIRS in conjunction with NFIRS. By participating in the FFIRS Program, your department becomes a part of the cooperative effort among fire organizations to make Florida a safer state. Our efforts and yours can help make Florida a safer place. Join the Division of State Fire Marshal and FFIRS in its endeavor to *Fight Fires with Facts*. If assistance is needed, please contact FFIRS at (850) 413-3698 or ffirs@myfloridacfo.com.



The Section is staffed by Matt Hinson-Statistician II, Dalfnie Burt-Records Specialist and Calvin Green-Data Entry Operator

Civilian Deaths from Fires

Department of Health, Vital Statistics Section



The following civilian fire death statistics are based on death certificates received from the 24 regional medical examiner offices in the State of Florida, identifying the underlying or sub-causes of fire-related deaths. The Department of Health (DOH), Office of Vital Statistics, then applies the proper codes for the causes of death, using codes defined by the tenth revision of the International Classification of Disease (ICD).

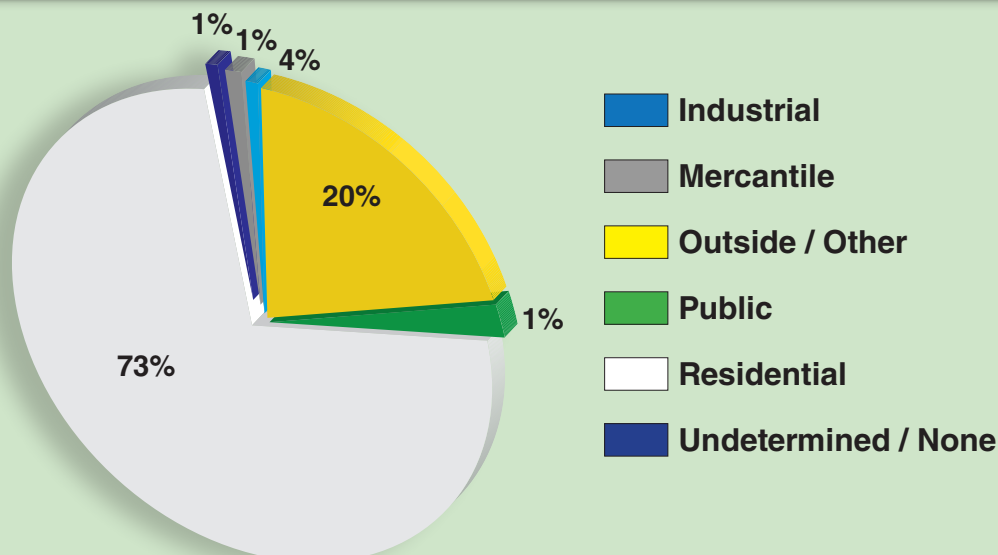
Based on the National Fire Protection Association (NFPA), fire deaths and only fire deaths, are primarily identified by the code range for accidental fire exposure X00-X09. The X00-X09 range includes most, but not all, fire deaths. The code refers to uncontrolled vs. controlled building/structure or non-building/structure fires. Using these guidelines, the State of Florida had a total of **84** civilian fire deaths.

Deaths due to homicides (X97) and suicides (X76) involving smoke, fire or flames, pathological fire-setting (F63.1), discharge of fireworks (W39) and exposures to smoke, fire or flame with undetermined intent (Y26) are not included in the NFPA standards, but are included by Consumer Product Safety Commission (CPSC), Tri-Data and the United States Fire Administration (USFA) when performing state-by-state analysis. Utilizing the five additional categories based on their methodology, the State of Florida civilian fire fatalities would increase to **99** (an additional **11.3** percent).

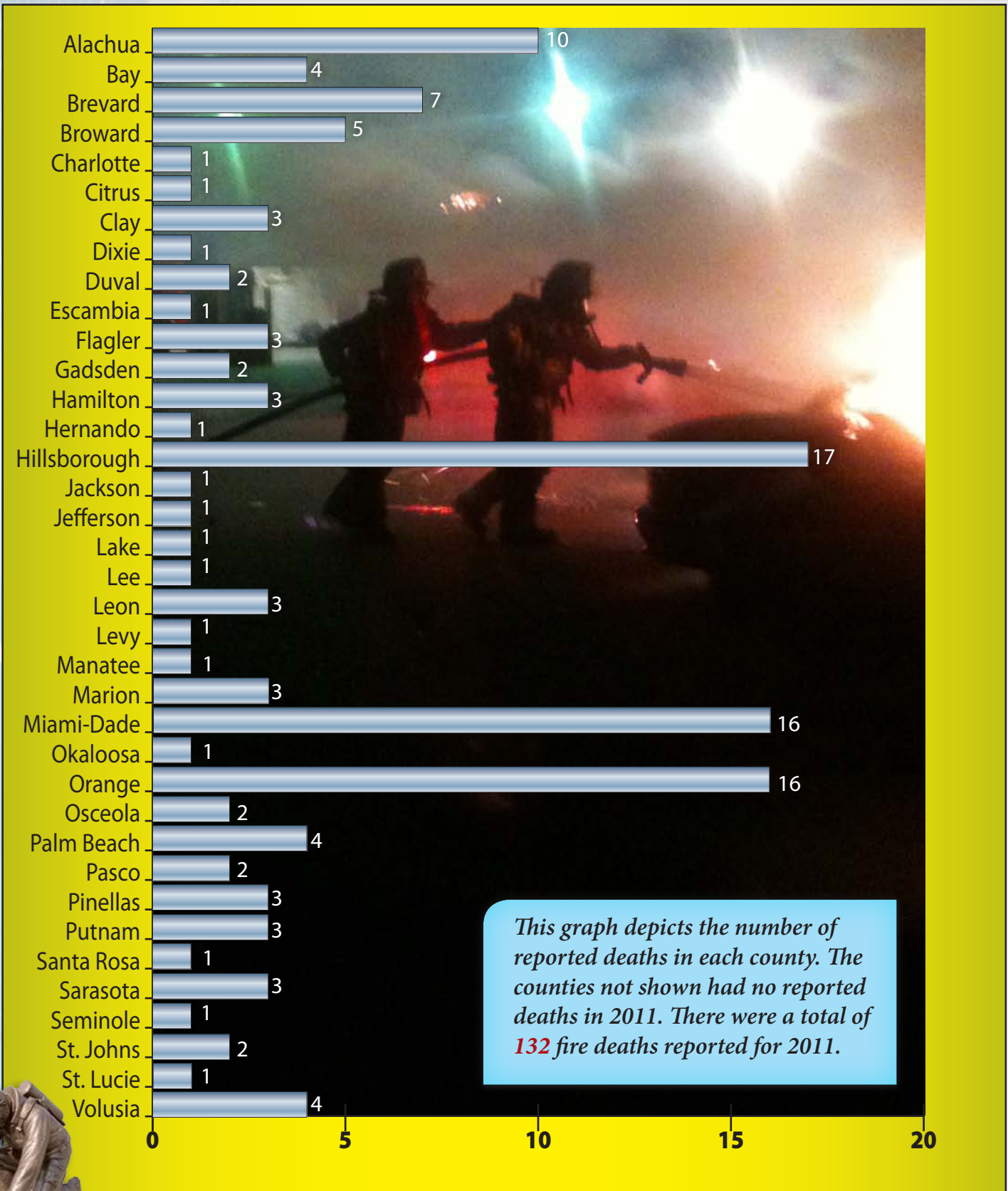
Excluded from NFPA, CPSC, Tri-Data and USFA analyses are fire deaths in vehicles, which would increase the civilian fire deaths in 2011 to **123** (an additional **18.1** percent). The State of Florida has included in its analysis deaths due to explosions (code range W35-W40), intentional self-harm by explosive materials (X75), assault by explosive materials (X96), contact with explosive materials and undetermined intent (Y25). These deaths are not readily identifiable in the DOH Vital Statistics Database. The additional eight categories bring Florida civilian fire and explosion fatalities to **132** (a further increase of **6.8** percent).

CIVILIAN DEATHS FROM FIRES BY PROPERTY USE

The following graph depicts **132** civilians that died from fire related incidents based on data received from the Department of Health, Vital Statistics Section. This represents a **12.5** percent decrease in total fire related deaths compared to 2010.



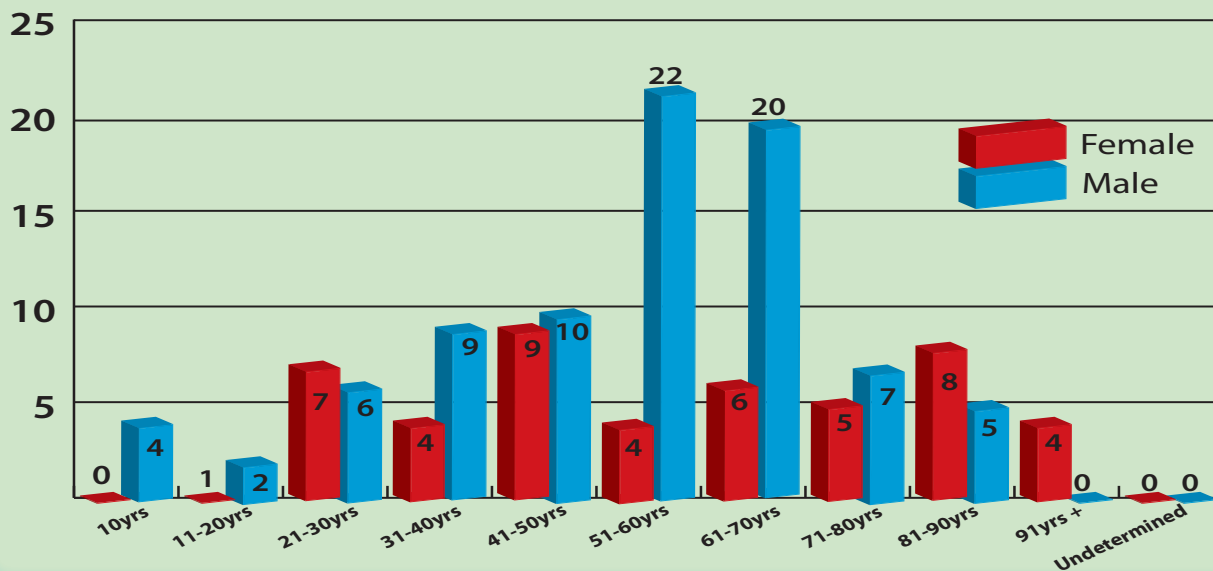
Civilian Deaths by County



Civilian Fire Deaths by Age and Sex

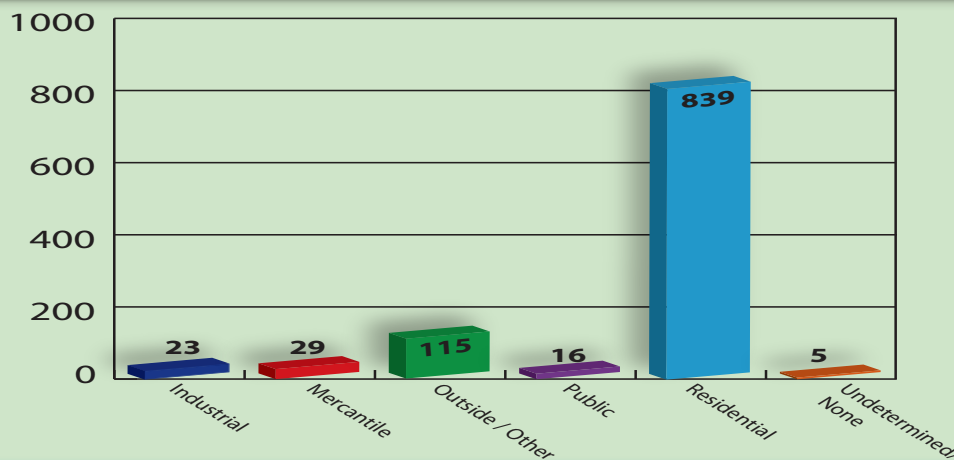


Fire education is extremely important. There were a total of **132** fire deaths in 2011. People ages **41** and older account for **72.7** percent of Florida's reported deaths from fire. Children under the age of **10** make up over **3** percent.



Civilian Injuries From Fires by Property Use

During 2011, **1,003** civilians were injured based on data received from fire departments via electronic submissions. Residential properties continue to have the greatest number of fire injuries among structure fires. Each year, many factors contribute to the number of fire-related injuries, but cooking remains one of the most prominent factors with **79.2** percent of residential property fires originating in the kitchen.





Florida County Fires

Counties	Structure Fires	Vehicle Fires	Other Fires	Exposures	Total Fires	Rescue EMS	Other Calls	False Alarms
Alachua	178	101	547	0	826	33,462	2,989	1,758
Baker	34	33	160	1	228	1,753	402	56
Bay	243	114	437	7	801	8,699	4,635	1,640
Bradford	30	17	214	0	261	1,543	543	79
Brevard	337	224	944	11	1,516	92,977	11,769	3,243
Broward	1,452	868	1,598	13	3,931	165,463	42,859	16,303
Calhoun	18	7	120	1	146	188	174	9
Charlotte	131	100	402	31	664	19,299	7,067	843
Citrus	114	77	323	25	539	1,456	3,053	358
Clay	101	62	273	3	439	14,022	3,977	370
Collier	252	134	587	16	989	23,162	9,427	3,258
Columbia	88	68	373	12	541	2,699	1,034	125
Desoto	39	16	166	3	224	2,086	445	134
Dixie	22	11	78	0	111	273	158	18
Duval	794	517	1,643	20	2,974	85,240	25,525	5,724
Escambia	358	155	1,041	22	1,576	11,094	5,536	2,245
Flagler	78	54	368	0	500	14,718	3,446	722
Franklin	4	2	21	0	27	119	42	3
Gadsden	115	45	308	11	479	441	2,137	250
Gilchrist	35	19	107	5	166	1,116	406	40
Glades	5	11	86	0	102	336	148	4
Gulf	10	3	37	0	50	77	27	21
Hamilton	36	26	113	5	180	289	305	18
Hardee	26	21	141	0	188	2,646	861	141
Hendry	60	50	210	0	320	3,106	3,105	212
Hernando	118	97	314	15	544	22,643	5,071	789
Highlands	90	55	280	11	436	3,294	1,142	323
Hillsborough	1,028	664	1,634	32	3,358	97,465	20,272	6,854
Holmes	28	17	135	1	181	126	287	21
Indian River	86	45	289	0	420	19,642	1,507	757
Jackson	101	42	247	0	390	4,516	224	75
Jefferson	24	20	104	7	155	112	201	44
Lafayette	4	6	4	0	14	0	13	1
Lake	227	160	679	19	1,085	29,288	7,434	1,728
Lee	515	343	1,167	36	2,061	65,007	16,530	5,122
Leon	471	214	971	56	1,712	7,206	11,640	1,920
Levy	58	40	343	0	441	1,755	503	88
Liberty	7	2	9	0	18	6	5	0



& Non-Fire Totals



Total Incidents	Add Mutual Aid Given	Total Responses	Total Dollar Loss	Civilian Injuries	Firefighter Injuries
39,035	1,070	40,105	\$3,265,976.00	2	3
2,439	262	2,701	\$715,650.00	0	0
15,775	276	16,051	\$4,867,887.00	10	6
2,426	263	2,689	\$614,550.00	0	0
109,505	1,270	110,775	\$6,805,667.00	24	28
228,556	3,373	231,929	\$24,153,614.00	103	97
517	149	666	\$807,409.00	0	1
27,873	269	28,142	\$1,481,427.00	3	6
5,406	794	6,200	\$24,616,455.00	14	2
18,808	1,209	20,017	\$4,206,894.00	3	0
36,836	2,528	39,364	\$6,756,769.00	22	26
4,399	323	4,722	\$2,681,368.00	3	6
2,889	10	2,899	\$1,218,500.00	2	0
560	81	641	\$941,800.00	1	3
119,463	40	119,503	\$19,705,638.00	40	10
20,451	335	20,786	\$6,424,603.00	12	5
19,386	922	20,308	\$1,371,784.00	4	1
191	17	208	\$47,000.00	0	0
3,307	101	3,408	\$3,309,935.00	3	1
1,728	244	1,972	\$1,593,700.00	1	0
590	64	654	\$117,550.00	0	0
175	54	229	\$526,099.00	1	0
792	330	1,122	\$924,150.00	1	1
3,836	8	3,844	\$0.00	0	0
6,743	151	6,894	\$455,880.00	1	5
29,047	1,009	30,056	\$2,640,004.00	12	9
5,195	1,595	6,790	\$2,345,569.00	2	3
127,949	874	128,823	\$25,611,742.00	31	19
615	146	761	\$958,538.00	4	0
22,326	12	22,338	\$1,277,415.00	0	0
5,205	228	5,433	\$6,467,035.00	0	1
512	26	538	\$1,169,350.00	2	0
28	0	28	\$0.00	0	0
39,535	3,152	42,687	\$4,871,819.00	12	20
88,720	2,447	91,167	\$14,099,372.00	34	59
22,478	1,136	23,614	\$14,544,362.00	39	9
2,787	1,720	4,507	\$2,094,688.00	1	2
29	6	35	\$744,600.00	0	0





Florida County Fires

Counties	Structure Fires	Vehicle Fires	Other Fires	Exposures	Total Fires	Rescue EMS	Other Calls	False Alarms
Madison	30	26	97	1	154	274	242	47
Manatee	245	187	501	11	944	15,019	3,031	2,510
Marion	299	202	558	1	1,060	54,762	9,520	2,017
Martin	53	58	246	0	357	14,812	3,248	760
Miami-Dade	2,233	1,210	2,365	107	5,915	268,530	32,299	20,747
Monroe	88	49	197	1	335	6,033	2,132	956
Nassau	58	34	233	1	326	7,675	980	339
Okaloosa	207	88	303	4	602	14,537	3,659	1,190
Okeechobee	42	30	200	0	272	6,677	714	114
Orange	827	680	1,506	6	3,019	107,752	19,904	12,180
Osceola	284	179	493	6	962	26,947	6,032	2,017
Palm Beach	848	602	1,485	13	2,948	152,503	26,072	13,660
Pasco	390	237	572	52	1,251	29,932	8,374	2,323
Pinellas	1,143	420	1,039	31	2,633	129,004	26,863	7,268
Polk	646	389	1,213	26	2,274	39,479	17,168	2,205
Putnam	143	60	399	2	604	13,551	2,620	236
Santa Rosa	137	62	497	1	697	8,738	2,368	558
Sarasota	246	153	806	2	1,207	48,842	3,836	2,741
Seminole	263	125	517	7	912	31,480	8,189	2,813
St Johns	185	88	564	1	838	16,928	4,264	1,223
St Lucie	112	99	474	0	685	31,404	1,807	1,775
Sumter	104	94	269	14	481	11,232	4,362	517
Suwannee	54	42	161	0	257	4,167	577	86
Taylor	41	15	135	0	191	289	817	65
Union	15	12	70	0	97	80	83	11
Volusia	519	277	1,245	34	2,075	50,517	18,128	2,825
Wakulla	42	17	76	2	137	300	267	23
Walton	82	74	358	4	518	8,058	1,468	569
Washington	21	10	99	5	135	29	116	21
Total Incidents	16,674	9,959	33,151	695	60,479	1,836,875	404,039	137,092
Mutual Aid	3,988	603	4,283	0	8,874	10,536	8,893	3,852
Total Responses	20,662	10,562	37,434	695	69,353	1,847,411	412,932	140,944

The above statistics are based on the data submitted by 533 fire departments that reported to the Florida Fire Incident Reporting System (FFIRS) in 2011. There are approximately 574 paid, volunteer and combination fire departments in the State of Florida. A list of the reporting fire departments for this year is located on pages xxxii-xxxv.



& Non-Fire Totals (Cont'd)



Total Incidents	Add Mutual Aid Given	Total Responses	Total Dollar Loss	Civilian Injuries	Firefighter Injuries
717	111	828	\$458,130.00	0	0
21,504	559	22,063	\$6,107,295.00	15	8
67,359	693	68,052	\$5,846,576.00	5	2
19,177	225	19,402	\$2,456,272.00	2	2
327,491	223	327,714	\$273,723,607.00	67	13
9,456	489	9,945	\$3,480,150.00	1	0
9,320	1,585	10,905	\$1,558,576.00	2	1
19,988	3,187	23,175	\$5,539,233.00	11	9
7,777	120	7,897	\$4,671,910.00	0	1
142,855	3,447	146,302	\$16,099,304.00	32	129
35,958	1,227	37,185	\$5,907,910.00	35	100
195,183	1,966	197,149	\$47,069,254.00	91	129
41,880	243	42,123	\$7,339,995.00	39	11
165,768	7,249	173,017	\$25,198,372.00	169	173
61,126	1,031	62,157	\$16,654,420.00	14	9
17,011	622	17,633	\$1,675,421.00	2	2
12,361	1,282	13,643	\$2,906,764.00	9	9
56,626	603	57,229	\$5,721,894.00	8	9
43,394	11,337	54,731	\$5,777,719.00	34	84
23,253	555	23,808	\$2,461,709.00	6	5
35,671	4	35,675	\$2,355,274.00	0	0
16,592	977	17,569	\$1,906,604.00	4	7
5,087	72	5,159	\$1,655,797.00	1	1
1,362	79	1,441	\$872,780.00	0	0
271	43	314	\$148,500.00	0	0
73,545	6,799	80,344	\$7,737,650.00	47	39
727	123	850	\$1,265,350.00	1	1
10,613	1,137	11,750	\$5,123,499.00	5	5
301	46	347	\$686,400.00	0	0
2,438,485					
	72,528				
2,438,485		2,511,013	\$656,841,164.00	987	1,072

Departments must be compliant under the Firefighter's Occupational Safety and Health Act, Rule Chapter 69A-62 and Florida Statutes 633.801 – 633.821, as well as other Florida statutes and rules to be recognized as a fire department.





2011 Florida Wildfires

County	Total Fires		0.1 - 0.2 Acres		0.3 - 9 Acres	
	# Fires	# Acres	# Fires	# Acres	# Fires	# Acres
All Counties	4,781	221,755.50	1,105	119.3	2,673	6,368.50
Alachua	135	1,465.20	26	2.1	85	206.1
Baker	86	896.10	26	3	45	127.8
Bay	102	998.80	31	3.6	54	122.2
Bradford	87	5,865.80	31	2.6	50	104.2
Brevard	71	20,813.00	3	0.3	45	130.4
Broward	17	4,187.20	2	0.2	6	17
Calhoun	41	212.40	9	1.1	24	48.3
Charlotte	87	2,766.90	12	1.6	48	90.8
Citrus	56	1,046.20	10	1.1	38	79
Clay	91	991.40	20	2.3	55	140.8
Collier	109	9,962.40	14	1.2	61	139.6
Columbia	95	333.40	34	3.7	54	111.2
DeSoto	23	264.20	3	0.3	13	43.2
Dixie	60	319.00	24	2.6	27	69
Duval	97	710.70	17	2.3	68	146.7
Escambia	75	525.40	10	1.2	52	122.9
Flagler	111	6,292.70	41	4.7	54	152.8
Franklin	30	473.30	11	1.2	15	33.1
Gadsden	53	258.80	13	1	32	85.9
Gilchrist	27	431.80	3	0.3	16	37.5
Glades	75	7,338.30	12	1.2	28	58.9
Gulf	43	1,802.60	11	1.3	23	36.3
Hamilton	82	972.30	16	1.8	54	87.1
Hardee	30	590.30	2	0.3	15	53.5
Hendry	35	2,938.80	2	0.1	19	48.7
Hernando	36	256.80	6	0.6	24	44.8
Highlands	122	3,088.80	43	5.5	58	103.4
Hillsborough	44	1,368.40	1	0.2	29	82.2
Holmes	74	569.70	14	1.5	45	76
Indian River	43	914.40	7	0.8	21	47.6
Jackson	81	666.00	13	1.6	55	161.4
Jefferson	46	449.00	8	0.5	28	70.5
Lafayette	51	131.10	23	2.6	22	31.3
Lake	75	1,568.90	13	0.7	46	103.3
Lee	95	2,290.20	4	0.4	61	123.8
Leon	28	104.90	7	0.7	19	39.2
Levy	140	6,764.30	18	2.2	84	175.4
Liberty	21	152.10	5	0.4	12	23
Madison	97	181.60	48	5.5	43	76.1
Manatee	30	346.20	4	0.3	15	43.1
Marion	103	1,117.30	6	0.5	66	161.3
Martin	83	3,101.60	21	2.1	41	119.6
Miami-Dade	73	70,667.60	14	1.6	44	139
Monroe	7	1.20	5	0.5	2	0.7
Nassau	84	507.90	29	3.4	46	93.2
Okaloosa	41	930.80	6	0.7	21	67.8
Okeechobee	81	5,361.60	15	1.7	44	110.9
Orange	71	5,383.40	12	1.3	37	108.4
Osceola	62	3,645.10	3	0.4	32	121.2
Palm Beach	55	10,646.10	7	0.6	27	67.3
Pasco	31	711.00	4	0.5	19	68.7
Pinellas	4	47.50	0	0	1	4.5
Polk	161	5,773.40	12	1.1	90	291.9
Putnam	194	3,772.30	69	4.6	97	205.7
Santa Rosa	146	1,774.60	43	5	80	176.6
Sarasota	60	923.50	15	1.9	35	73.2
Seminole	21	55.30	8	1.1	11	31.2
St. Johns	136	2,538.20	35	4.1	72	185.2
St. Lucie	49	801.00	13	1.3	23	52.5
Sumter	18	746.00	5	0.5	6	21.9
Suwannee	94	290.20	36	4.2	49	111
Taylor	74	209.20	30	3.5	41	83.8
Union	38	1,297.30	12	0.9	20	32.7
Volusia	237	8,952.20	67	8.3	139	357.9
Wakulla	24	75.00	8	0.9	14	30.4
Walton	76	692.10	25	3.2	35	66.9
Washington	57	424.70	8	0.8	38	90.9



by County and Acres Burned



10 - 99 Acres		100 - 299 Acres		300 - 999 Acres		1,000 - 4,999 Acres		5,000 Acres & Up	
# Fires	# Acres	# Fires	# Acres	# Fires	# Acres	# Fires	# Acres	# Fires	# Acres
817	24,301.50	108	18,205.50	53	27,139.00	20	42,956.70	5	102,665.00
20	446	3	506	1	305	0	0	0	0
13	423.3	2	342	0	0	0	0	0	0
14	413	3	460	0	0	0	0	0	0
5	80	0	0	0	0	0	0	1	5,679.00
18	494.3	2	411	0	0	2	2,750.00	1	17,027.00
7	220	0	0	1	450	1	3,500.00	0	0
8	163	0	0	0	0	0	0	0	0
21	896.5	5	1,000.00	1	778	0	0	0	0
6	106.5	1	280	1	579.6	0	0	0	0
14	369.5	1	110	1	368.8	0	0	0	0
30	987.6	0	0	1	300	3	8,534.00	0	0
6	91.5	1	127	0	0	0	0	0	0
7	220.7	0	0	0	0	0	0	0	0
9	247.4	0	0	0	0	0	0	0	0
11	350.7	1	211	0	0	0	0	0	0
12	233.3	1	168	0	0	0	0	0	0
13	439.2	1	210	1	350	0	0	1	5,136.00
3	61	0	0	1	378	0	0	0	0
8	171.9	0	0	0	0	0	0	0	0
7	144	1	250	0	0	0	0	0	0
26	882.2	2	400	5	2,577.60	2	3,418.40	0	0
7	275	0	0	2	1,490.00	0	0	0	0
9	157.3	2	407	1	319.1	0	0	0	0
12	331.5	1	205	0	0	0	0	0	0
9	350	4	540	0	0	1	2,000.00	0	0
6	211.4	0	0	0	0	0	0	0	0
17	716.9	0	0	3	1,173.80	1	1,089.20	0	0
7	190	7	1,096.00	0	0	0	0	0	0
14	385.2	1	107	0	0	0	0	0	0
13	464	1	102	1	300	0	0	0	0
12	303	1	200	0	0	0	0	0	0
9	278	1	100	0	0	0	0	0	0
6	97.2	0	0	0	0	0	0	0	0
13	330.9	1	178	2	956	0	0	0	0
24	900	5	866	1	400	0	0	0	0
2	65	0	0	0	0	0	0	0	0
31	1,106.70	4	530	1	475	2	4,475.00	0	0
4	128.7	0	0	0	0	0	0	0	0
6	100	0	0	0	0	0	0	0	0
10	197.8	1	105	0	0	0	0	0	0
29	713.5	2	242	0	0	0	0	0	0
15	328.2	4	757.5	1	847.2	1	1,047.00	0	0
9	272	2	330	3	1,630.00	0	0	1	68,295.00
0	0	0	0	0	0	0	0	0	0
8	275.3	1	136	0	0	0	0	0	0
13	582.3	1	280	0	0	0	0	0	0
14	451.6	6	857	1	765.3	1	3,175.10	0	0
17	477.7	3	532	1	340	1	3,924.00	0	0
17	596.5	7	1,047.00	3	1,880.00	0	0	0	0
13	341.2	3	645	3	2,064.00	1	1,000.00	1	6,528.00
6	245.2	2	396.6	0	0	0	0	0	0
3	43	0	0	0	0	0	0	0	0
45	1,475.40	8	1,240.00	6	2,765.00	0	0	0	0
21	566	5	683	1	300	1	2,013.00	0	0
19	550	3	526	1	517	0	0	0	0
9	186.8	0	0	1	661.6	0	0	0	0
2	23	0	0	0	0	0	0	0	0
26	682.9	1	186	1	346	1	1,134.00	0	0
12	507.2	1	240	0	0	0	0	0	0
6	173.6	0	0	1	550	0	0	0	0
9	175	0	0	0	0	0	0	0	0
3	121.9	0	0	0	0	0	0	0	0
3	71.7	1	204	2	988	0	0	0	0
22	719.6	3	685.4	4	2,284.00	2	4,897.00	0	0
2	43.7	0	0	0	0	0	0	0	0
14	315	2	307	0	0	0	0	0	0
11	333	0	0	0	0	0	0	0	0



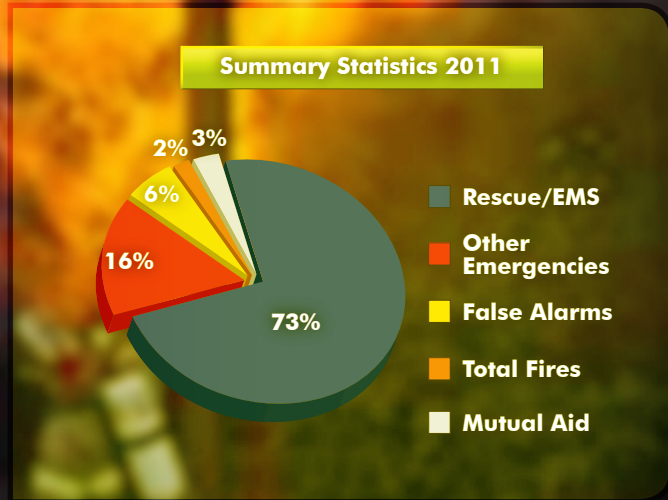


2011 Summary Statistics

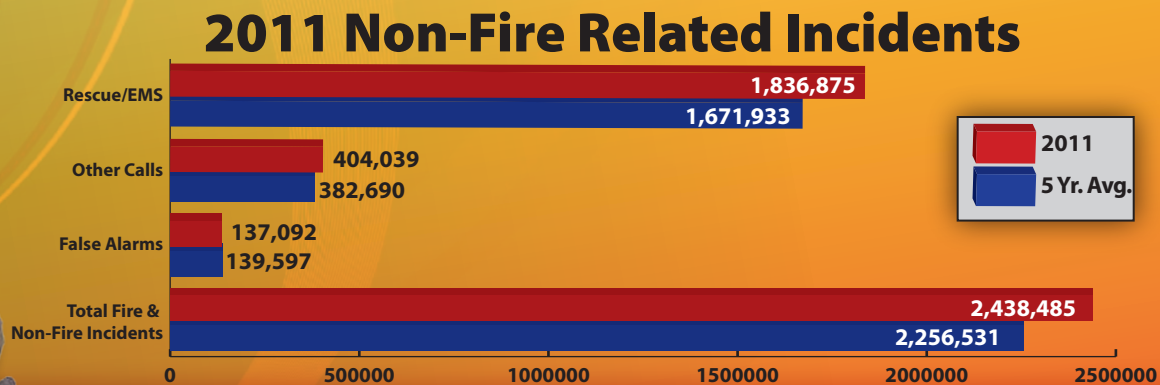
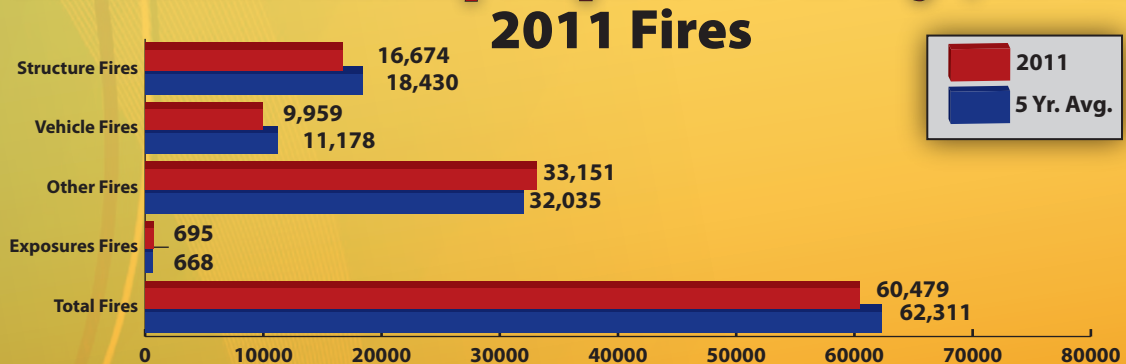
In 2011, fire departments responded to a total of **2,438,485** incidents. When mutual aid calls were added, the total number of reported responses increased to **2,511,013**, which generated more requests for fire department services than in 2010. Total fire response incidents increased by **3.1** percent and total dollar loss increased by **22.8** percent. The number of fire departments that reported to the Florida Fire Incident Reporting System (FFIRS) was **533**, which was less than the previous year by **18** or **3.2** percent.

2011 State Incident Summary

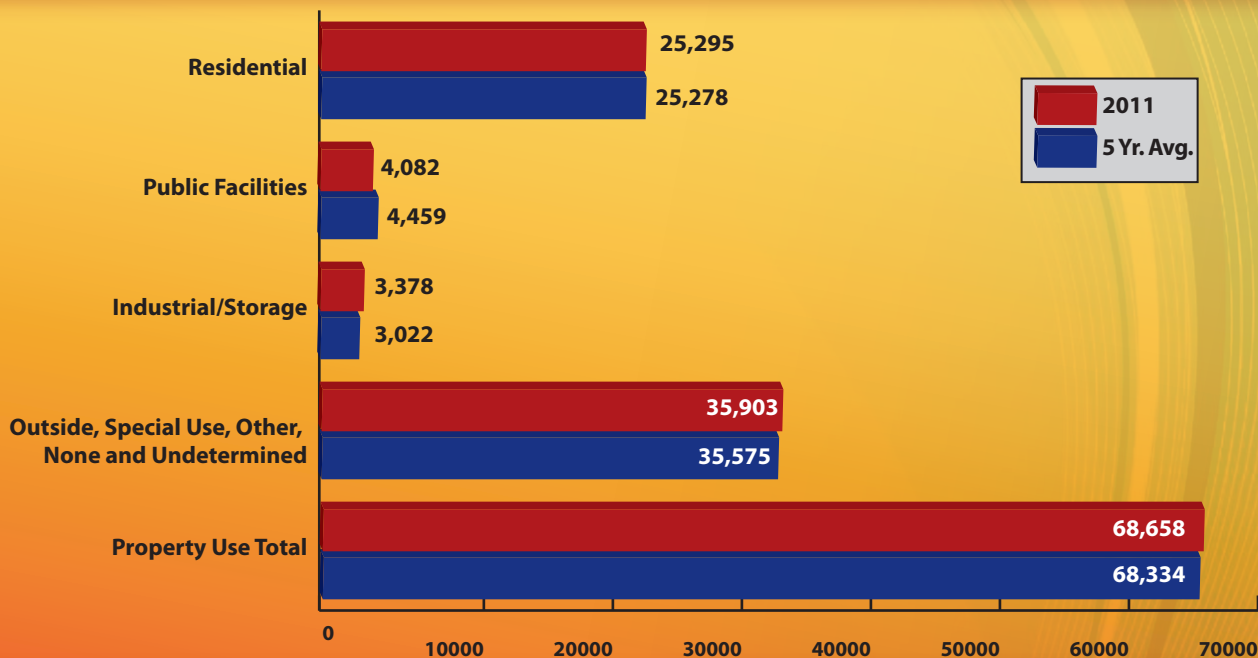
Structure Fires	16,674
Vehicle Fires	9,959
Other Fires	33,151
Exposure Fires	695
Total Fire Incidents	60,479
Rescue/EMS	1,836,875
Other Emergencies	404,039
False Alarms	137,092
Total Non-Fire Incidents	2,378,006
Mutual Aid Given	72,528
*Total Incidents plus Mutual Aid Given	2,511,013



2011 State Incident Summary Compared to 5 Yr. Avg. (2007-2011)

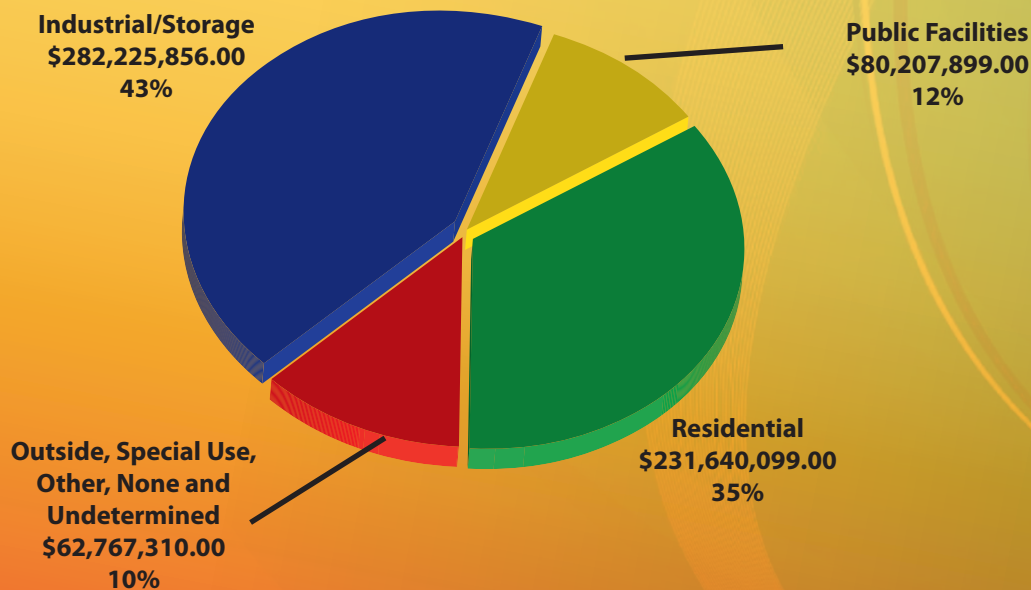


Total Breakdown of Fires by Property Use



Total State Dollar Loss

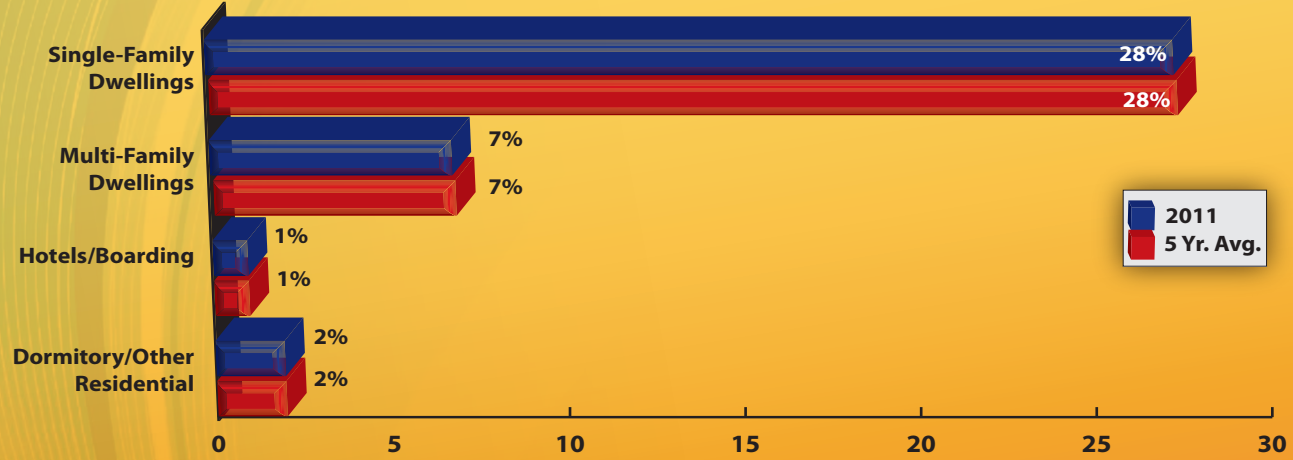
Reported Value of Property Loss for 2011: \$656,841,164.00





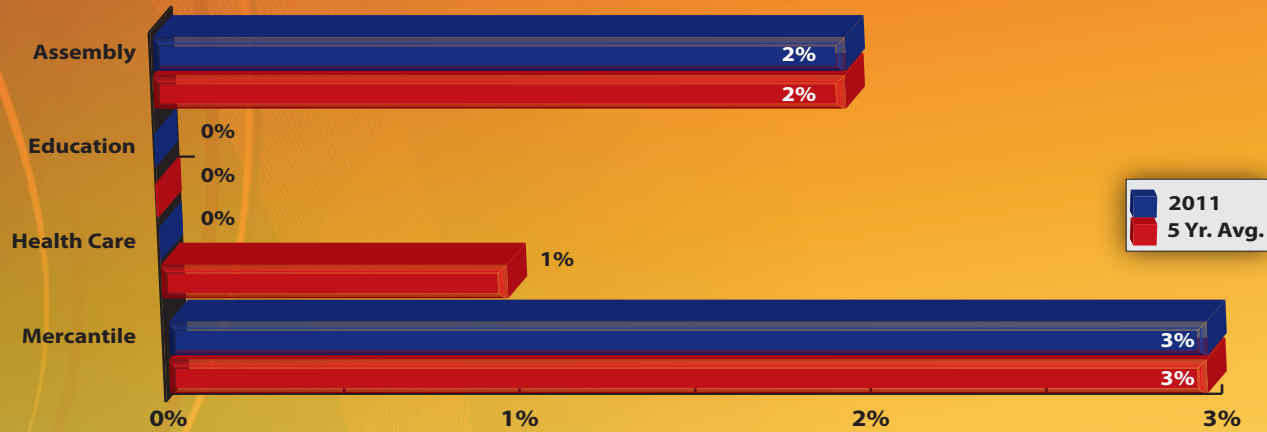
Percentages of Fires and Dollar Loss Com

Residential



Residential Property Type	2011 # of Incidents	5 Yr. Avg. # of Incidents	2011 Total Dollar Loss	5 Yr. Avg. Total Dollar Loss
Single-Family Dwellings	19,096	18,873	\$186,110,249.00	\$222,602,449.00
Multi-Family Dwellings	4,721	4,651	\$33,576,152.00	\$45,465,521.00
Hotels/Boarding	414	427	\$4,385,142.00	\$7,233,295.60
Dormitory/Other Residential	1,064	1,327	\$7,568,556.00	\$9,391,941.60
Total	25,295	25,278	\$231,640,099.00	\$284,693,207.80

Public Facilities

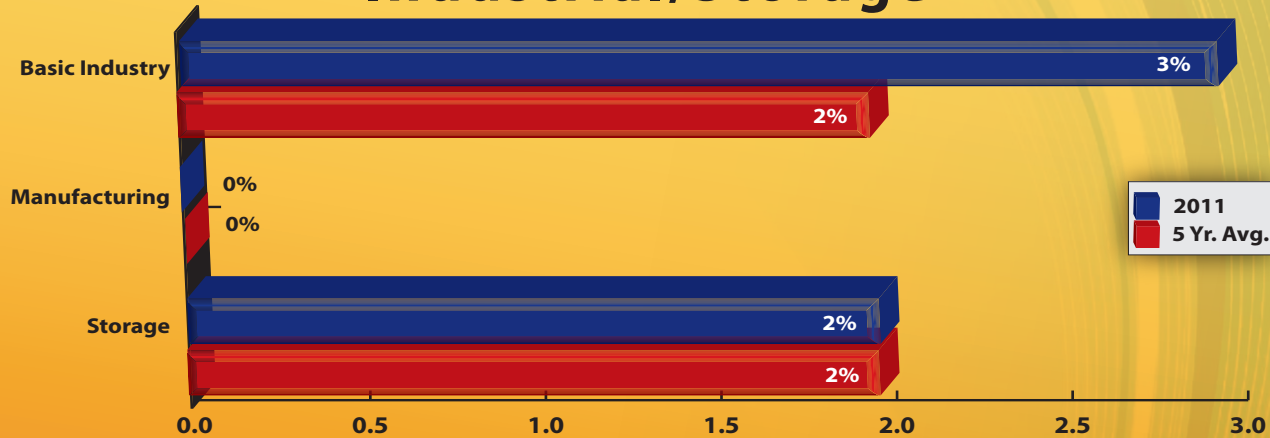


Public Facilities Property Type	2011 # of Incidents	5 Yr. Avg. # of Incidents	2011 Total Dollar Loss	5 Yr. Avg. Total Dollar Loss
Assembly	1,378	1,475	\$15,755,687.00	\$19,501,304.00
Education	296	357	\$2,311,332.00	\$2,056,762.80
Health Care, Detention and Correctional	358	422	\$696,401.00	\$1,379,202.60
Mercantile and Business	2,050	2,205	\$61,444,479.00	\$45,862,749.20
Total	4,082	4,459	\$80,207,899.00	\$68,800,018.60

pared to Five Year Average by Property Use

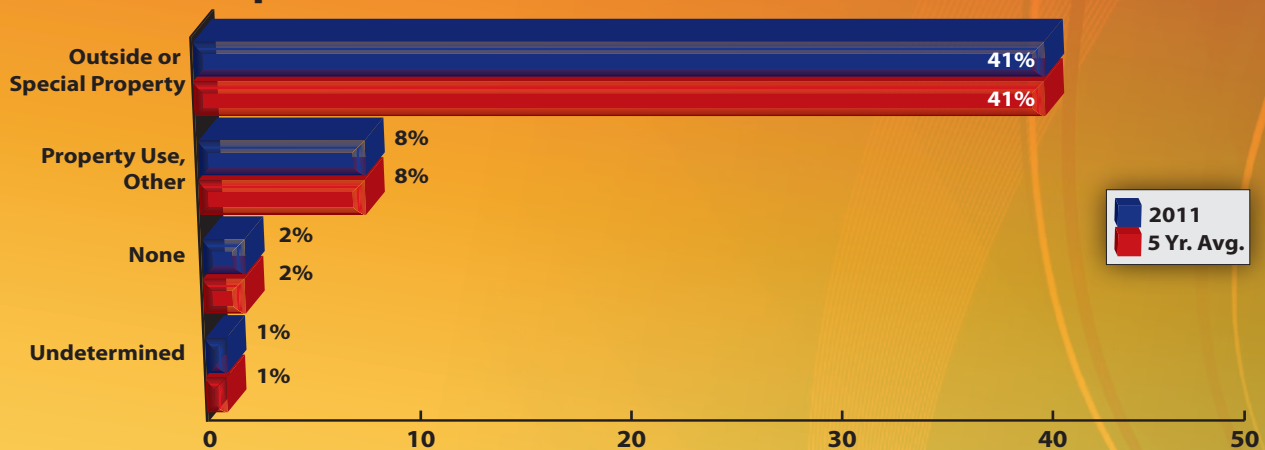


Industrial/Storage



Industrial Property Type	2010 # of Incidents	5 Yr. Avg. # of Incidents	2010 Total Dollar Loss	5 Yr. Avg. Total Dollar Loss
Basic Industry	1,929	1,614	\$225,382,952.00	\$51,144,010.80
Manufacturing	204	211	\$5,448,655.00	\$23,466,989.00
Storage	1,245	1,198	\$51,394,249.00	\$31,243,655.40
Total	3,378	3,023	\$282,225,856.00	\$105,854,655.20

Outside, Special Use, Other, None and Undetermined



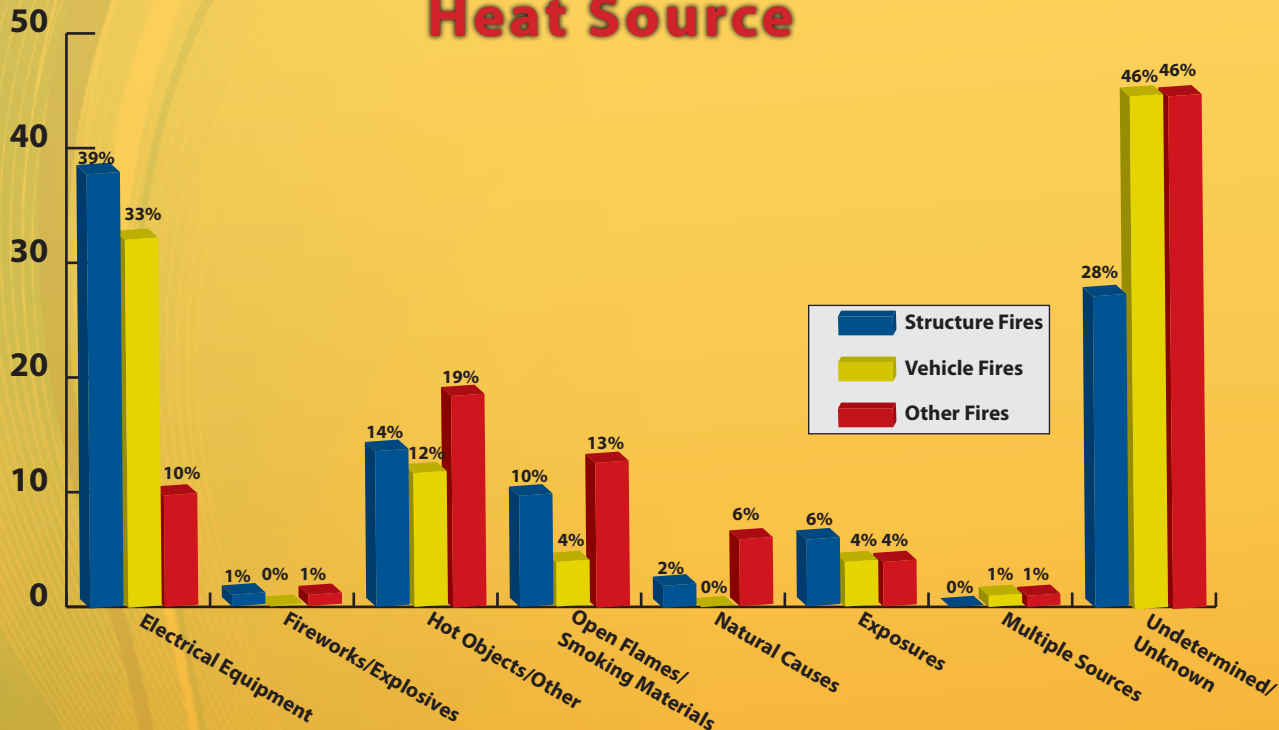
Outside, Special Use, Other, None and Undetermined Property Type	2010 # of Incidents	5 Yr. Avg. # of Incidents	2010 Total Dollar Loss	5 Yr. Avg. Total Dollar Loss
Outside or Special Property	28,268	28,186	\$55,840,959.00	\$57,461,155.40
Property Use, Other	5,644	5,192	\$3,465,222.00	\$6,211,363.00
None	1,381	1,562	\$2,245,892.00	\$4,046,561.40
Undetermined	610	634	\$1,215,237.00	\$2,761,975.60
Total	35,903	35,574	\$62,767,310.00	\$70,481,055.40



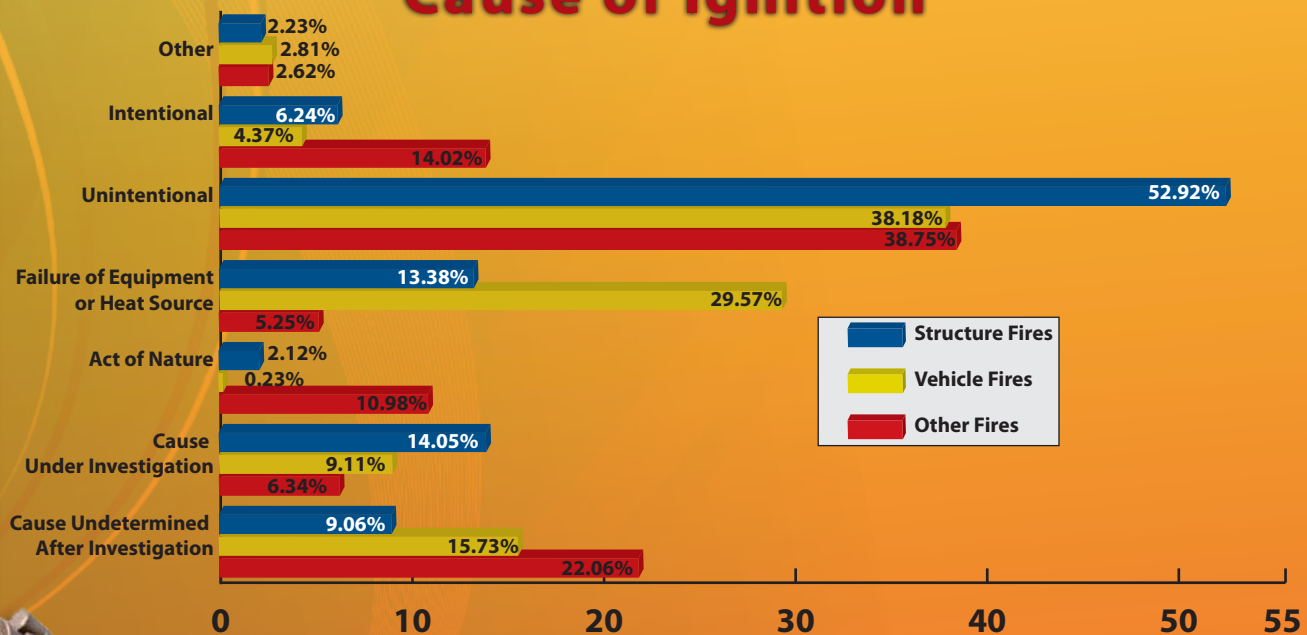


2011 Heat Source and Cause of Ignition Percentages

Structure, Vehicle & Other Fires Heat Source

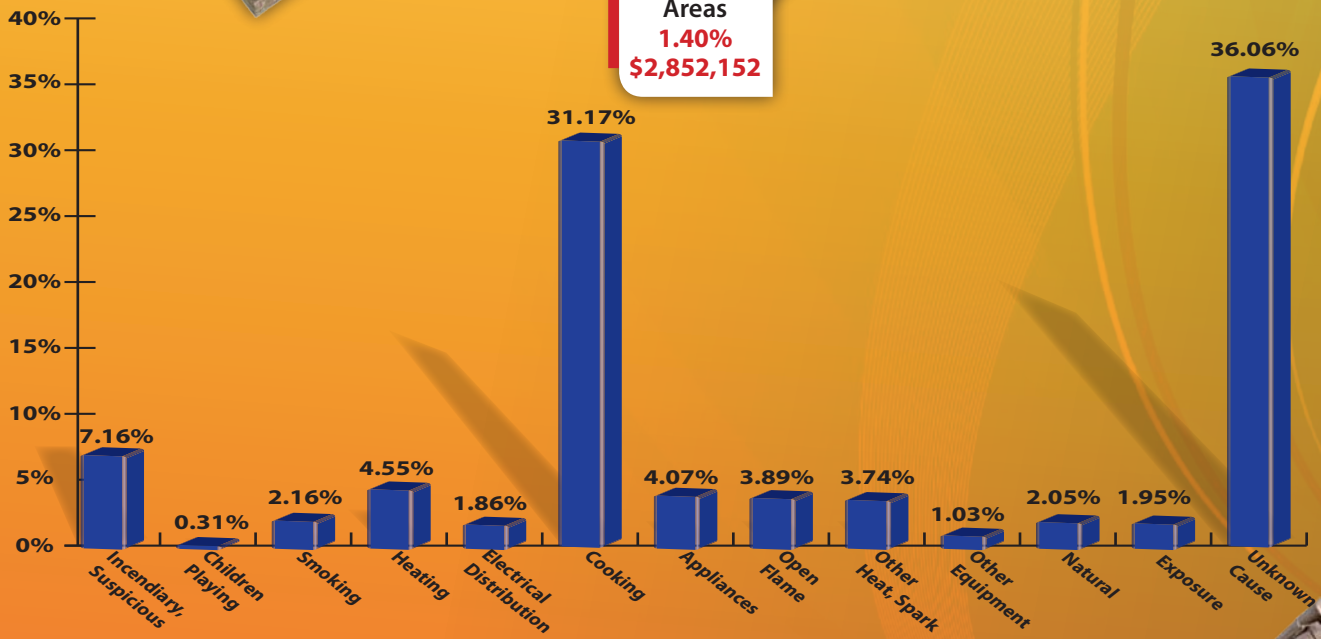


Structure, Vehicle & Other Fires Cause of Ignition



*Other fires include: Natural Vegetation, Trash and Rubbish, Outside Special Property, Vegetation and Crops

Total Dollar Loss, Area of Origin and Fire Cause Percentages for Residential Structures

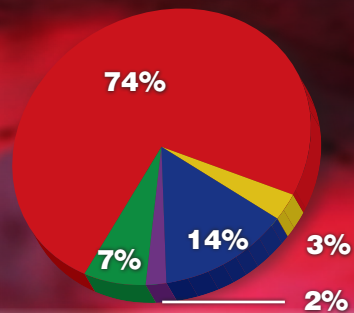




Smoke Detector Use Data

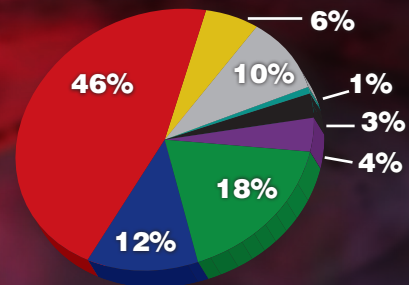
Smoke detectors were present in **42** percent of reported structure fires, in which the presence or absence of detectors were reported, with **60** percent of those operational. **Seventeen** percent were reported as undetermined and **12** percent did not operate due to a variety of reasons such as no batteries, lack of maintenance, etc., and in **11** percent of the cases these fires were too small for the detector to operate. Unfortunately, **37** percent of the structures did not have smoke detectors and **21** percent of the structures reported as undetermined.

Detector Effectiveness



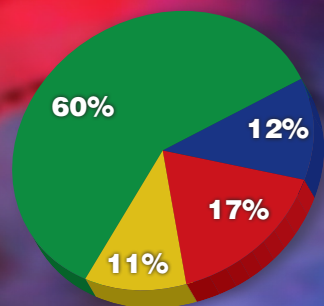
- Alerted occupants
- Occupants failed to respond
- No occupants
- Failed to alert occupants
- Undetermined

Smoke Detector Failure



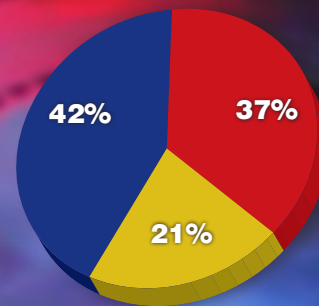
- Other
- Hardwired power failure, shut off or disconnected
- Improper installation or placement
- Defective
- Lack of cleaning
- Battery missing or disconnected
- Battery discharged or dead
- Undetermined

Detector Operation



- Fire too small to operate
- Operated
- Failure to operate
- Undetermined

Detector Present



- Detector present
- None present
- Undetermined

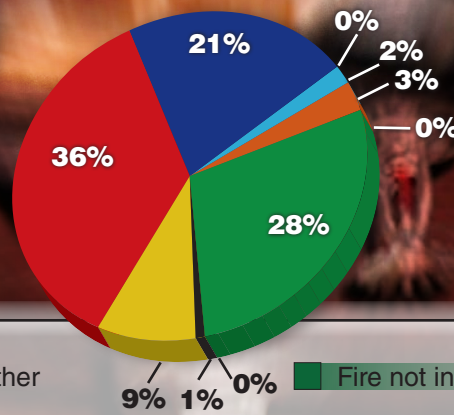
Fire Sprinkler Use Data



Automatic Extinguishing Systems (AES) were present in **8** percent of reported structure fires with **38** percent of those operational. **Eleven** percent were reported as undetermined and **9** percent did not operate due to a variety of reasons, such as manual intervention, agent discharged but did not reach the fire, etc. In **28** percent of structure fires, the fire was not in the vicinity of the AES for it to be effective. Unfortunately, in **86** percent of the structure fires there was not an AES present and **6** percent were reported as undetermined.

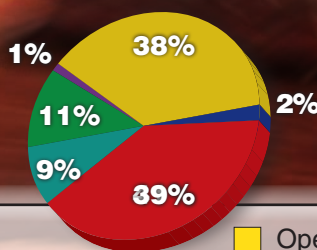
In 1 percent of the structure fires there was not an AES present and 11 percent were reported as undetermined.

AES Failure



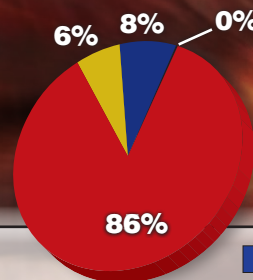
- Reason system not effective, other
- System shut off
- Not enough agent to control the fire
- Agent discharged, but did not reach the fire
- Inappropriate system for the type of fire
- Fire not in area protected by the system
- System components damaged
- Lack of maintenance including corrosion or heads painted
- Manual intervention defeated the system
- Undetermined

AES Operation

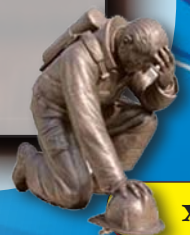


- Operated and effective
- Operated and not effective
- Fire too small to operate
- Failed to operate
- Undetermined
- Operation of AES, other

AES Presence



- Present
- Partial system present
- None present
- Undetermined





Average Response Frequencies Reported by Florida Fire Departments

One Fire Department



Responds Every **22** Seconds

One Structure Fire



Occurs Every **31** Minutes and **5** Seconds

One Actual Fire



Occurs Every **8** Minutes and **7** Seconds

One Other Emergency



Occurs Every **1** Minute and **3** Seconds

One Vehicle Fire



Occurs Every **52** Minutes and **7** Seconds

One EMS/Rescue Call



Occurs Every **29** Seconds

One Outside/Other Fire



Occurs Every **15** Minutes and **8** Seconds

One False Alarm



Occurs Every **3** Minutes and **8** Seconds

**These statistics do not include exposures or automatic/mutual-aid-given responses.*

Total Dollar Loss, Area of Origin and Fire Cause Percentages for Residential Structures



The National Fire Protection Association reports there are more than 13,000 structure fires in high-rise buildings each year in the United States.

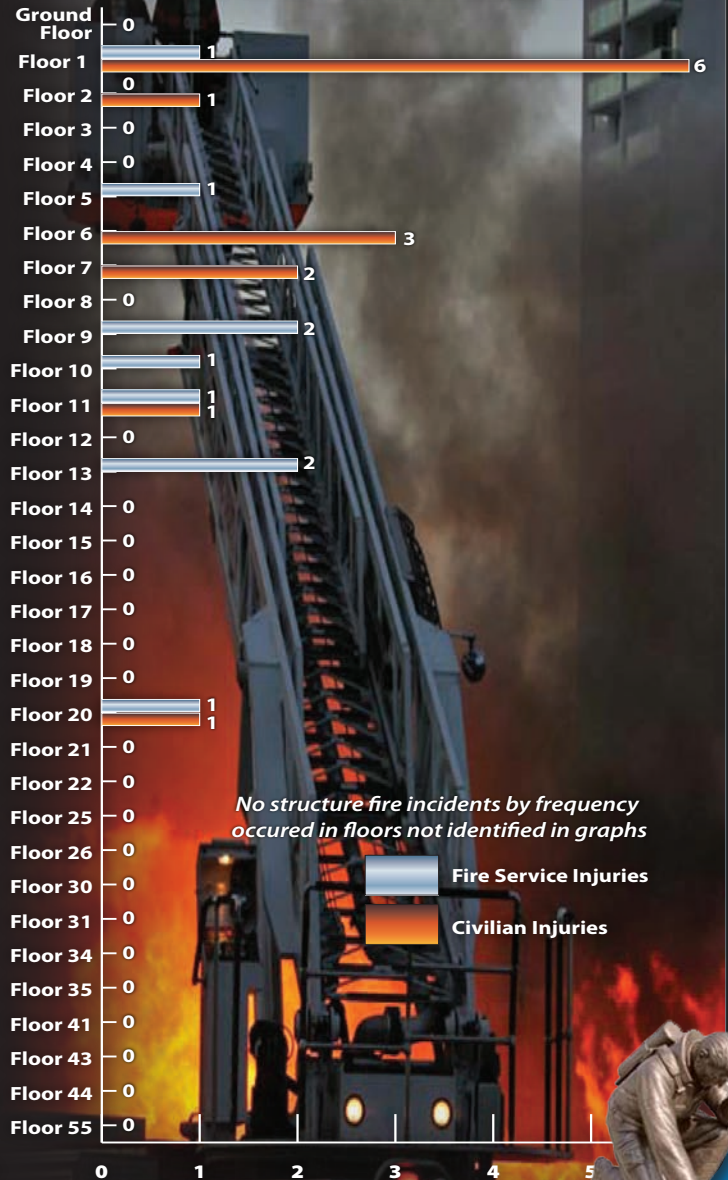
The State of Florida had a total **4,228** structure fire incidents in high rise structures with **12** fatalities, **223** injuries and total property loss for the last **5** years totaling \$152,183,484. The average number high rise structure fires over the last **5** years in the State of Florida is **885** which equals to **6.8** percent of total structure fires in high-rise buildings each year in the United States.

Collier County according to data submitted to FFIRS had a total of **102** structure fire incidents in high rise structures over the last **5** years with no fire fatalities, **7** injuries and property loss of \$3,895,070. Compared to the State of Florida, **2.4** percent of high rise structure fires in the state occurred in Collier County which was **3** percent of total injuries and a total of **2.5** percent associated to the state total dollar loss.

High Rise Structure Fire Incidents By Frequency



Civilian and Fire Service Injuries in High Rise Structure Fires





2011 Fallen Firefighters In the Line of Duty

Brett L. Fulton, 52, of White Springs, died June 20, 2011, while fighting the Blue Ribbon Fire on the Columbia/Hamilton County border. He worked for the Parsons and Sons Seed Mill in Wellborn, FL for 14 years prior to working with the Florida Division of Forestry for the past 13 years. He was an accomplished welder and had attained the rank of Senior Forest Ranger within the Division of Forestry.

Joshua O. Burch, 31, died while battling the Blue Ribbon Fire on the Columbia/Hamilton County border, June 20, 2011. He was a dedicated forest ranger/firefighter with the Division of Forestry who served the State of Florida and its citizens faithfully.

On July 21, 2011, **Captain James "Jimmy" Haggas** of the Indialantic Fire Department passed away. He had 17 years of service with the Indialantic Fire Rescue. He was 55 years old. (LODD status is still pending)

Driver/Operator **Gregory L. Harris** of Miami-Dade Fire Rescue passed away on April 22, 2011. He was 41 years old.

James Von Roden died March 12, 2011, in Madison, FL. He was the owner and operator of Von's Auto and was Captain of the Lee Volunteer Fire Department. He was 49 years old.

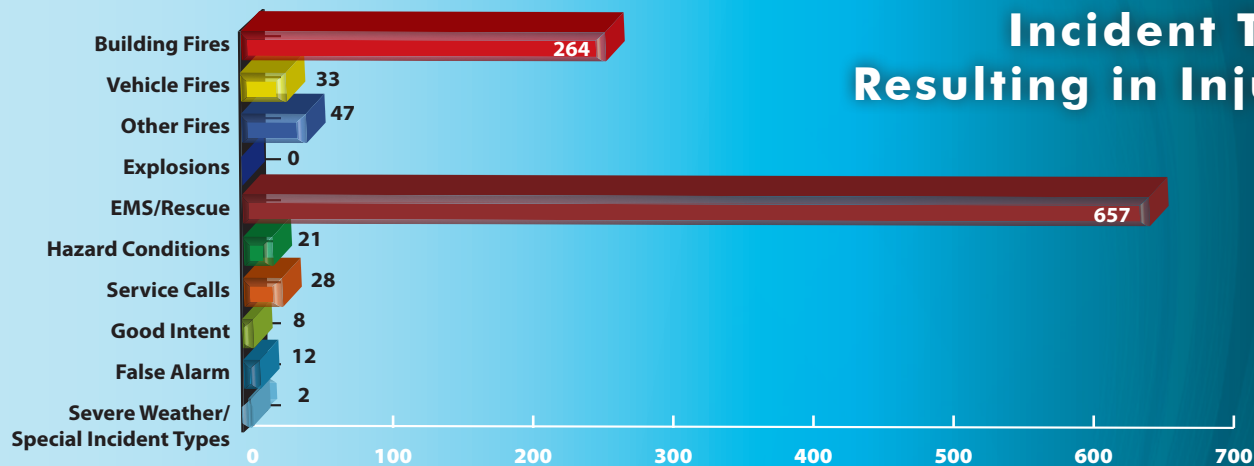


The Firefighter Safety and Health Program Section is charged with the implementation of the Florida Firefighters Occupational Safety and Health Act (FFOSHA) (Florida Statute 633.801-633.821) and Firefighter Employment Standards (Florida Administrative Code 69A-62).

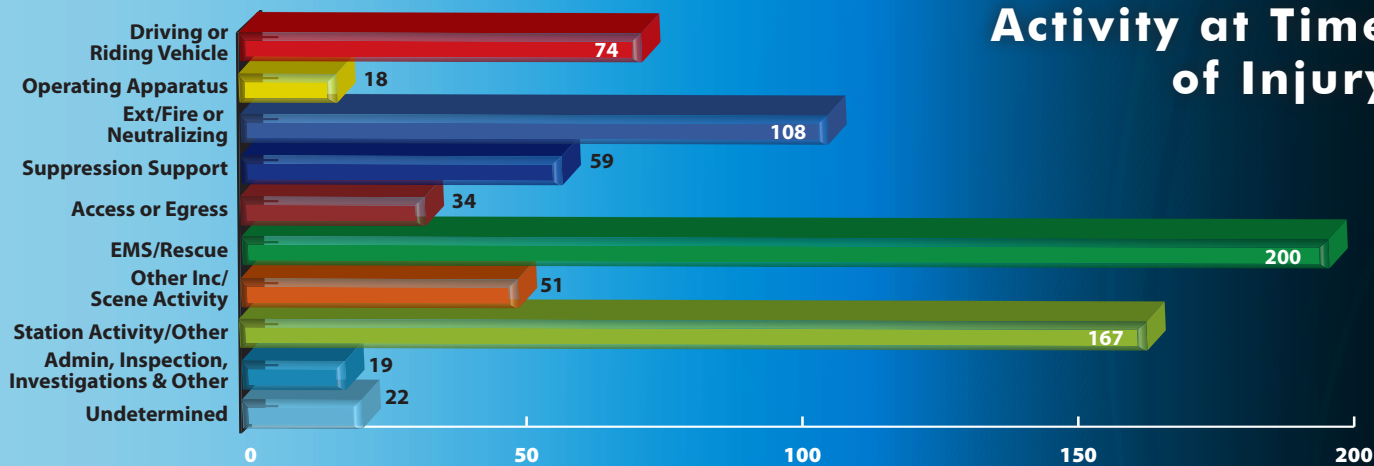
Firefighter Injuries vs Number of Fire Incidents

Firefighters throughout Florida deal with a variety of hazards while performing their duties. These hazards include, but are not limited to, smoke inhalation, burns, straining of body parts, exposure to chemicals and stress. In 2011, there were **344** fire related injuries to firefighters.

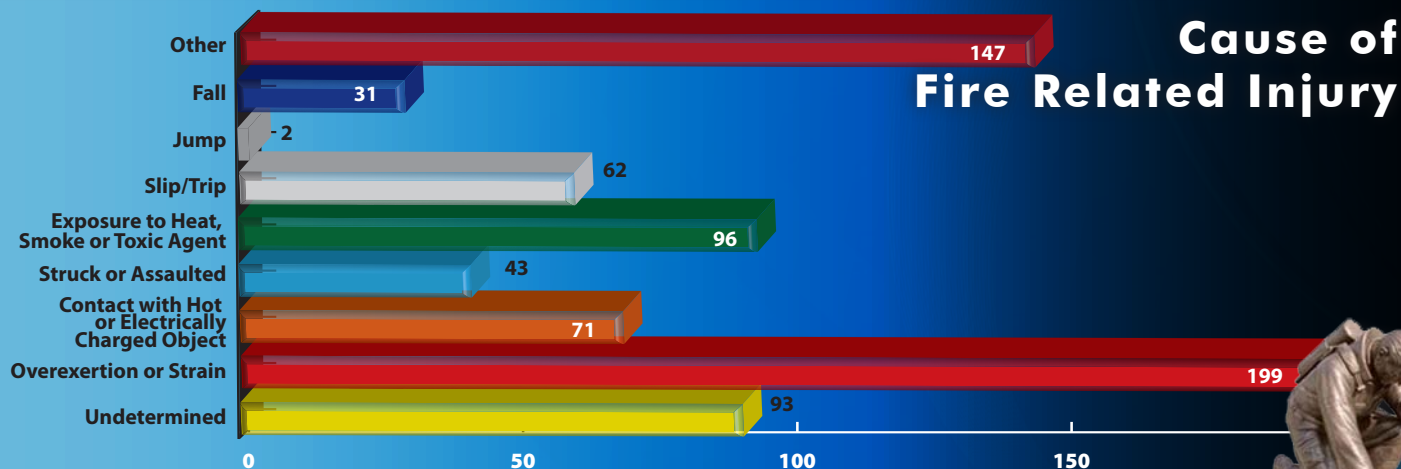
Incident Types Resulting in Injuries



Activity at Time of Injury



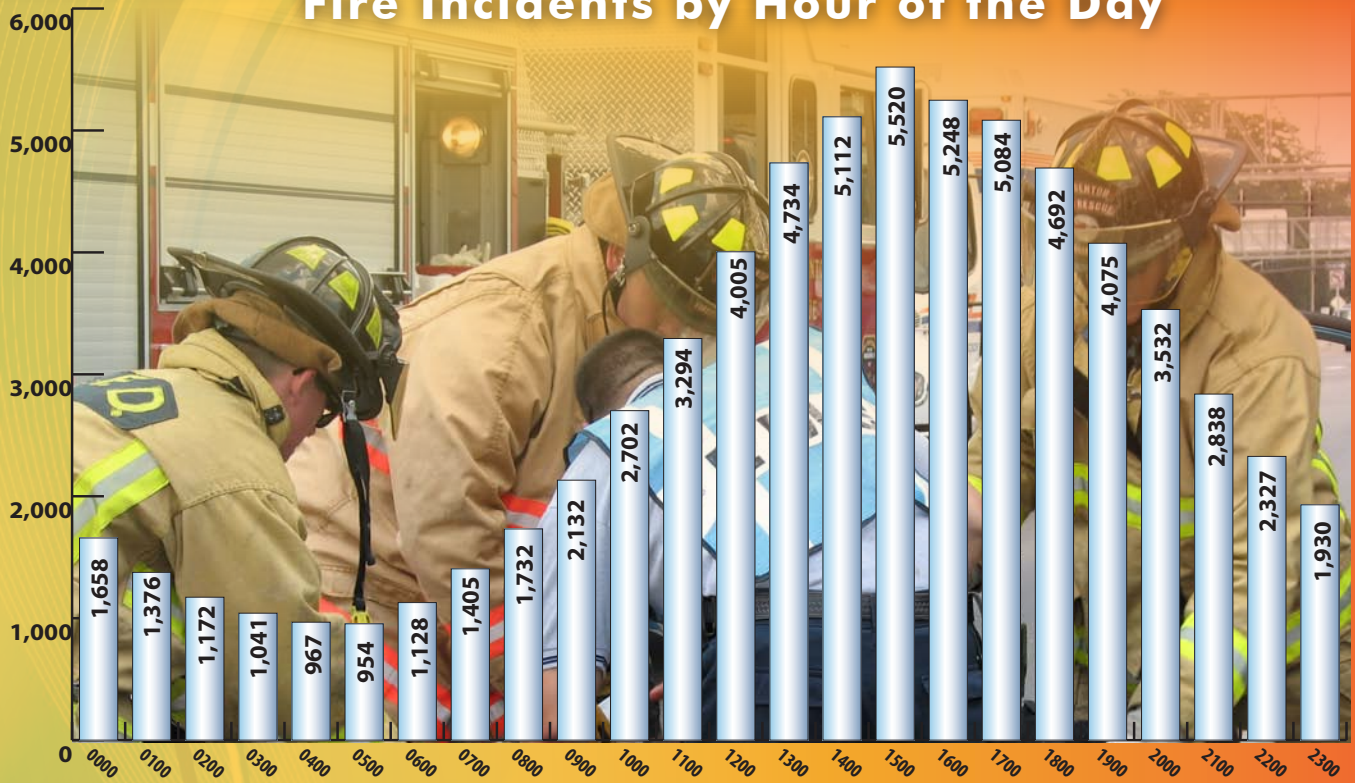
Cause of Fire Related Injury



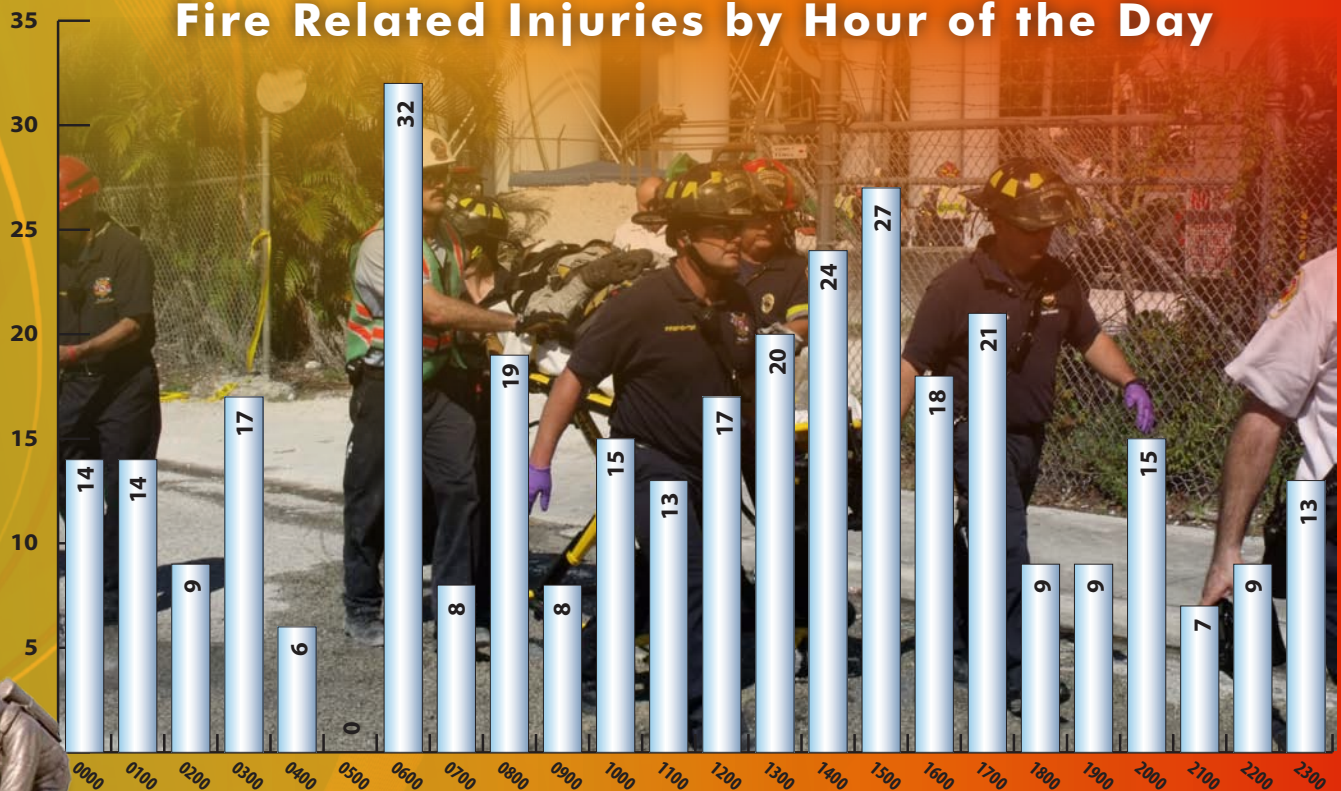


Fire Incidents and Firefighter Fire Related

Fire Incidents by Hour of the Day



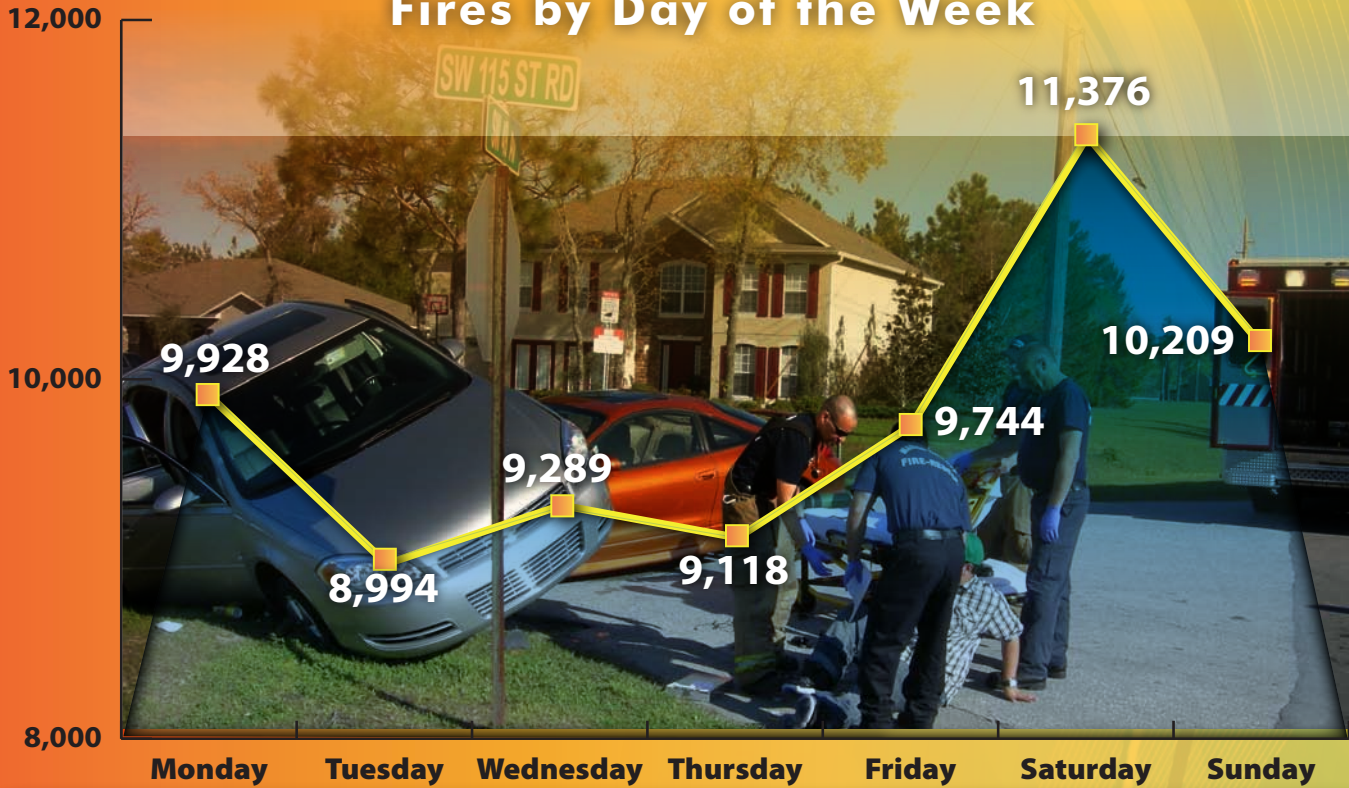
Fire Related Injuries by Hour of the Day



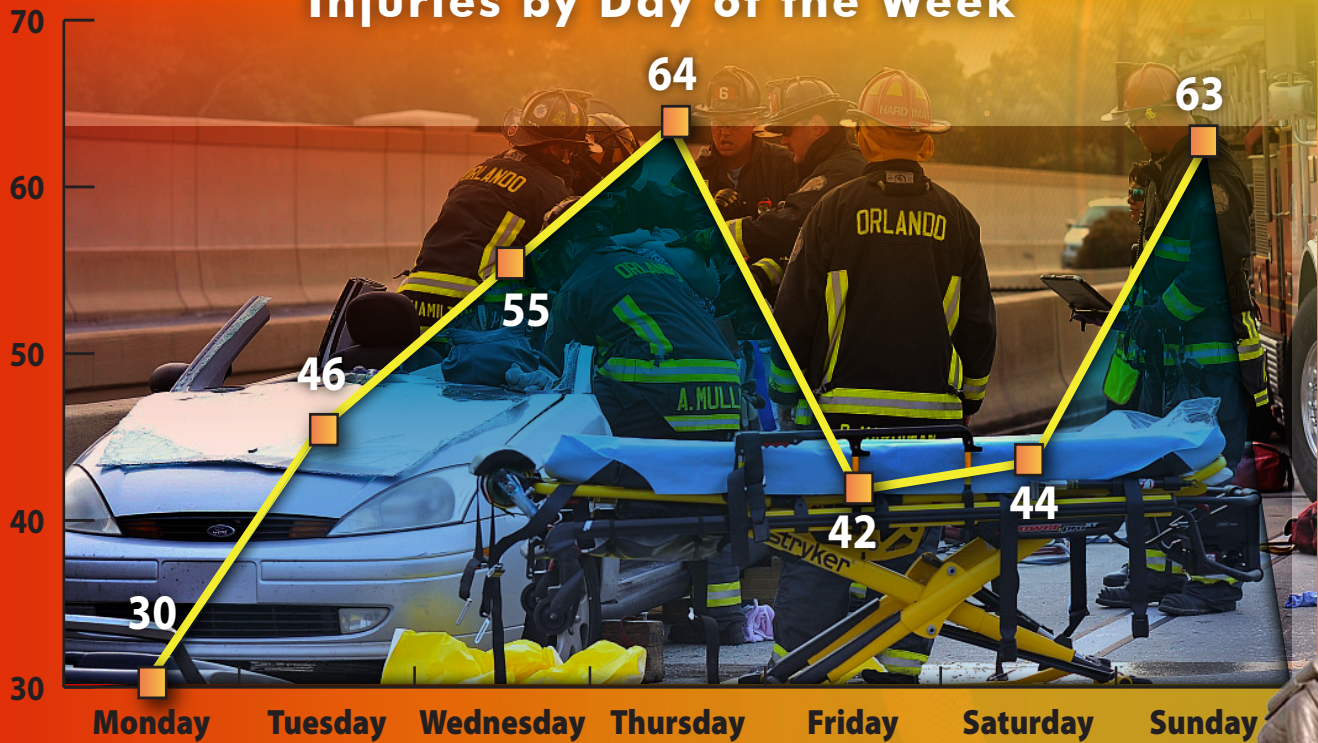
Injuries by Peak Hour and Day of the Week



Fires by Day of the Week

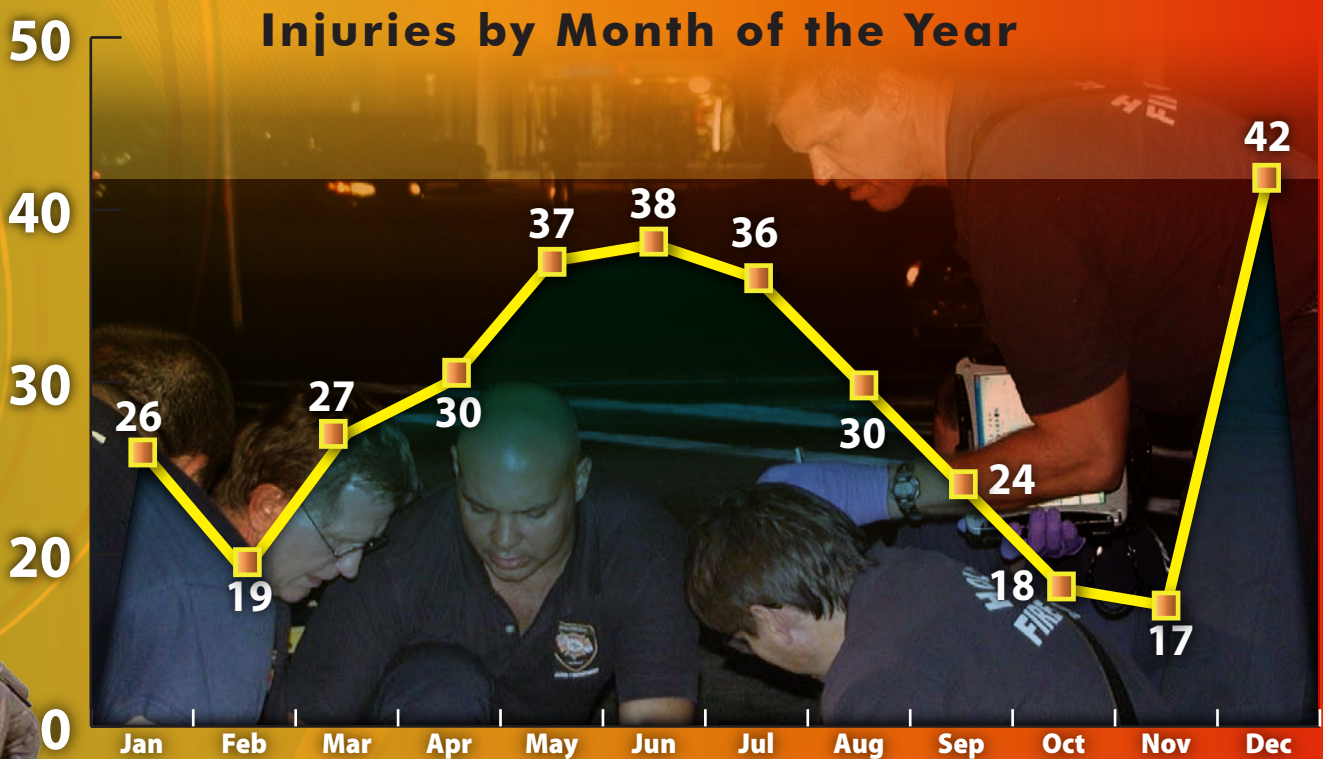
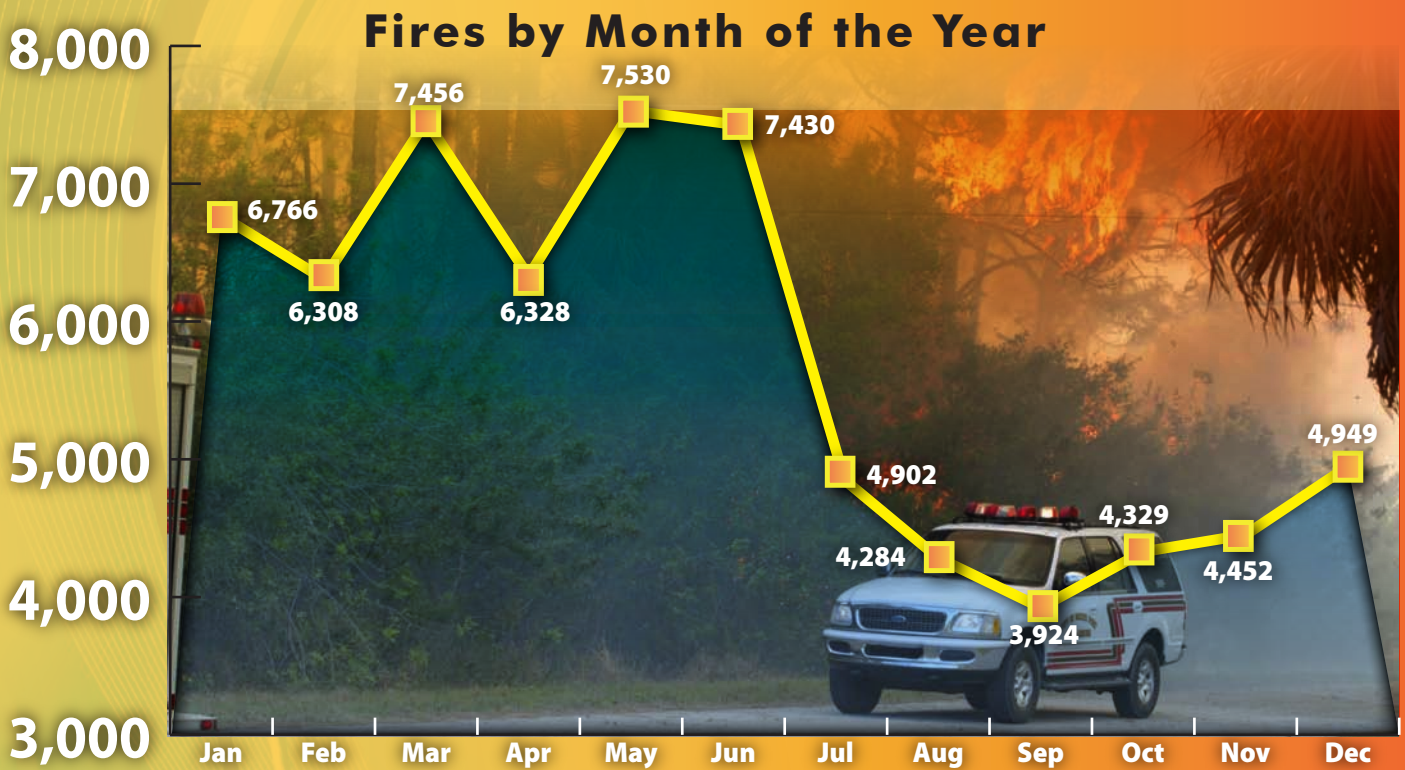


Injuries by Day of the Week





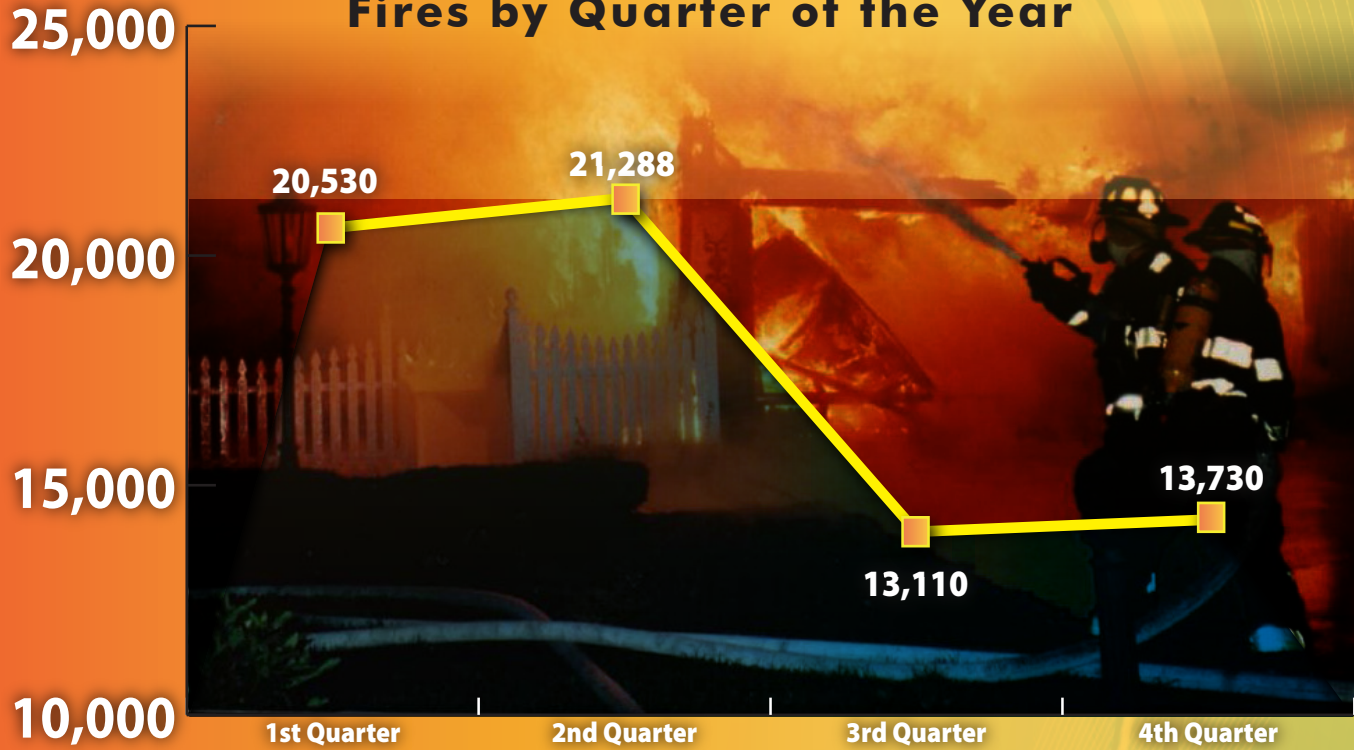
Fire Incidents and Firefighter Fire Related



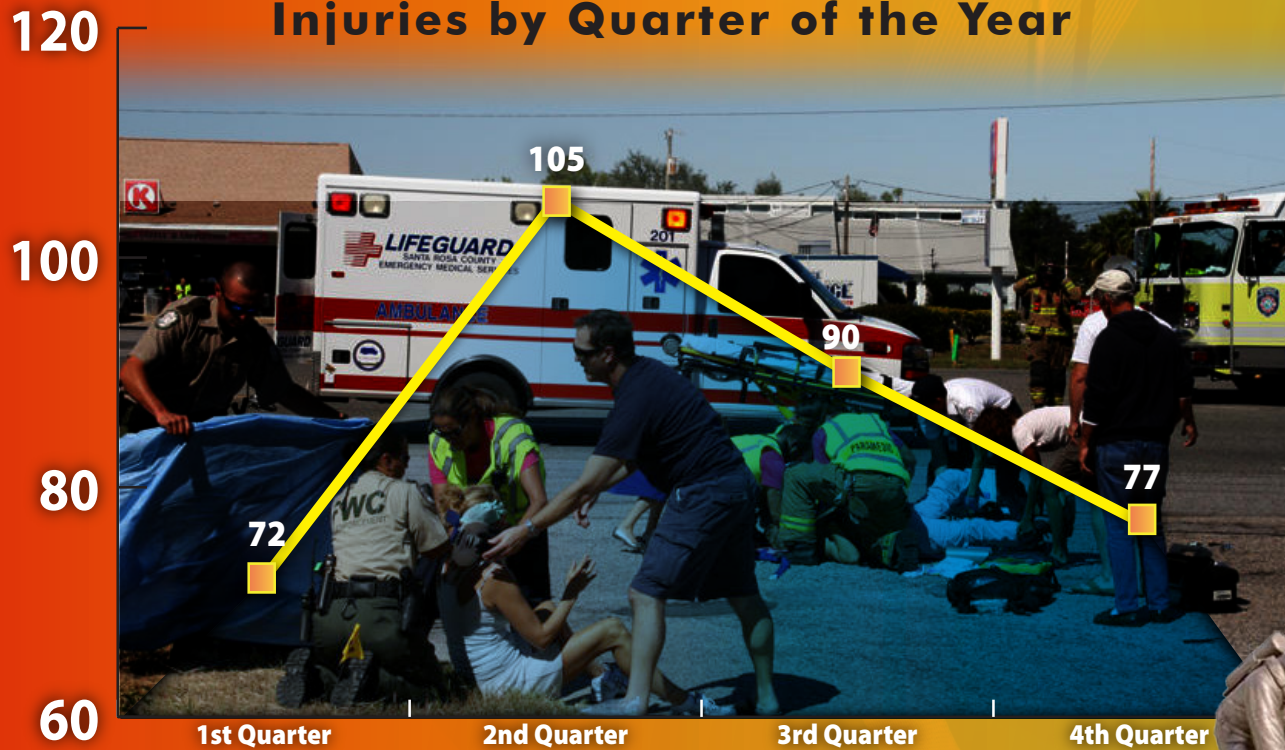
Injuries by Month and Quarter of the Year



Fires by Quarter of the Year



Injuries by Quarter of the Year





2011 Assistance to Firefighter Grant Awards



The United States Fire Administration (USFA) has reported that the following departments received an Assistance to Firefighters Grant (AFG) Award for 2011. One of the requirements placed upon grantees under this award is that recipients agree to provide information, through established reporting channels, to the USFA's National Fire Incident Reporting System (NFIRS) for the period covered by the assistance if the grantee is a fire department. In Florida, the established reporting channel would be through the Florida Fire Incident Reporting System (FFIRS) Section of the Division of State Fire Marshal (SFM). Nonaffiliated EMS organizations do not have to comply with the NFIRS reporting requirement. If a fire department grantee does not currently participate in the incident reporting system and does not have the capacity to report at the time of the award, that grantee must agree to provide information to the NFIRS system for a twelve-month period commencing as soon as they develop the capacity to report. We expect non-reporting grantees to pursue the capacity to report immediately after notification of an award, and for these non-reporting grantees to be actively reporting to NFIRS within the approved period of performance. AFG program grantees from previous years will not be allowed to closeout their grants until they demonstrate that they are complying with this requirement. Failure to closeout your previous years' grants may affect the consideration of future awards. This requirement is included in the 2010 Program Guidance for the Assistance to Firefighters Grant program, as well as being included in the actual grant agreement. The award announcement dates for the 2011 recipients may be reviewed by entering the following link into your web browser: <http://www.fema.gov/firegrants/js/AFG2011.shtm>.

Please contact the FFIRS Section at (850) 413-3698 for assistance in helping your department comply with this reporting requirement.

Award Date	FDID #	Organization	City	Program	Activity Level
02/03/2012	14062	Ocala FR	Ocala	Operations and Safety	E(\$499,400)
02/03/2012	23032	Panama City FD	Panama City	Operations and Safety	E(\$147,813)
02/03/2012	03072	Tampa FR	Tampa	Operations and Safety	E(\$193,900)
02/03/2012	15022	West Manatee F & R	Bradenton	Operations and Safety	E(\$999,856)
01/27/2012	20151	St. Johns County FR	St. Augustine	Operations and Safety	E(\$100,000)
01/20/2012	19182	Brevard County FR	Rockledge	Operations and Safety	T(\$675,500)
01/20/2012	41012	Fernandina Beach FR	Fernandina Beach	Operations and Safety	E(\$126,400); PPE(\$88,900)
01/20/2012	43032	Fort Walton Beach FD	Fort Walton Beach	Operations and Safety	E(\$34,500)
01/20/2012	10092	Margate Coconut Creek FR	Margate	Operations and Safety	E(\$553,774)
01/13/2012	45081	Theressa VFD	Starke	Operations and Safety	V(\$350,000)
01/06/2012	10282	Broward County FR	Fort Lauderdale	Operations and Safety	E(\$68,125); PPE(\$1,983,625)
01/06/2012	43011	Destin Fire Control District	Destin	Operations and Safety	E(\$431,231)
01/06/2012	24012	St. Lucie County Fire District	Port St. Lucie	Operations and Safety	E(\$658,707)
12/30/2011	01042	City of Miami Department of FR	Miami	Operations and Safety	F(\$296,120); PPE(\$47,490)
12/23/2011	12022	Leesburg FD	Leesburg	Operations and Safety	F(\$61,173); E(\$31,860)
12/23/2011	13012	Leon County EMS	Tallahassee	Operations and Safety	E(\$590,880)
12/16/2011	10052	City of Hollywood	Hollywood	Operations and Safety	E(\$270,000)
12/16/2011	23022	City of Lynn Haven Fire & EMS	Lynn Haven	Operations and Safety	E(\$9,000)
12/16/2011	19072	City of Melbourne FD	Melbourne	Operations and Safety	E(\$240,000)
12/16/2011	04011	City of Pinellas	Clearwater	Operations and Safety	E(\$54,000)
12/16/2011	26012	Kissimmee FD	Kissimmee	Operations and Safety	F(\$130,000)





12/16/2011	10062	Lauderhill FR	Lauderhill	Operations and Safety	E(\$350,000)
12/16/2011	18062	North Fort Myers Fire Control & Rescue District	North Fort Myers	Operations and Safety	PPE(\$154,175)
12/16/2011	07252	Orange County FR	Winter Park	Operations and Safety	E(\$217,390); T(\$925,084)
12/16/2011	10172	Pompano Beach FR	Pompano Beach	Operations and Safety	E(\$58,000)
04/13/2012	04122	St. Petersburg Beach FD	St. Petersburg Beach	Vehicle Acquisition	V(\$700,000)
03/30/2012	06272	West Palm Beach FD	West Palm Beach	Operations and Safety	F(\$85,194); E(\$130,059)
03/23/2012	48032	Clay County FR	Green Cove Springs	Operations and Safety	E(\$192,258)
03/23/2012	61091	Flagler County EMS	Bunnell	Operations and Safety	E(\$607,860)
03/23/2012	63012	Union County VFD	Lake Butler	Operations and Safety	PPE(\$51,804)
03/16/2012	34022	Desoto City VF	Sebring	Operations and Safety	E(\$33,800)
03/16/2012	02072	Jacksonville FR	Jacksonville	Operations and Safety	E(\$486,717)
03/09/2012	20012	City of St. Augustine FD	St. Augustine	Operations and Safety	E(\$800); PPE(\$23,100)
03/02/2012	49000	Hendry County Board of County Commissioners	LaBelle	Operations and Safety	E(\$414,875)
03/02/2012	32012	Indian River County FR	Vero Beach	Operations and Safety	E(\$22,464)
03/02/2012	16042	South Trail Protection & Rescue Service District	Fort Myers	Operations and Safety	E(\$224,000)
02/24/2012	01032	Miami Dade FR	Miami	Operations and Safety	F(\$1,095,500); E(\$792,000); T(\$262,110)
02/17/2012	45051	Heilbron Springs VFD	Starke	Vehicle Acquisition	V(\$359,000)
02/17/2012	43042	Ocean City Wright Fire Control District	Ft. Walton Beach	Operations and Safety	E(\$28,500)
02/17/2012	07252	Orange County FRD	Winter Park	Operations and Safety	E(\$100,000); T(\$1,027,832)
02/10/2012	17032	Casselberry FD	Casselberry	Operations and Safety	E(\$971,101)
02/10/2012	12131	Mascotte FD	Mascotte	Vehicle Acquisition	V(\$98,000)
02/03/2012	19011	Cape Canaveral VFD	Cape Canaveral	Operations and Safety	E(\$50,000)
02/03/2012	18092	City of Fort Myers FD	Fort Myers	Operations and Safety	F(\$33,000); E(\$174,987)
02/03/2012	19062	Cocoa Beach FD	Cocoa Beach	Operations and Safety	E(\$130,000)
02/03/2012	10151	Coral Springs FD	Coral Springs	Operations and Safety	F(\$175,000); E(\$10,000); PPE(\$50,000); T(\$361,295)
02/03/2012	09023	Escambia County FR	Pensacola	Operations and Safety	E(\$152,900)
02/03/2012	64022	Golden Gate Fire Control & Rescue District	Naples	Operations and Safety	E(\$152,900); PPE(\$154,990)
02/03/2012	12251	Lake County Public Safety FR	Tavares	Operations and Safety	E(\$86,000)
02/03/2012	64032	North Naples Fire Control & Rescue District	Naples	Operations and Safety	PPE(\$212,400)

E Equipment **F** Facility **V** Vehicle **T** Training **PPE** Personal Protective Equipment
 A total of **533** fire departments throughout the State of Florida reported incidents to FFIRS for 2011 and of those, **50** received grants.



Fire and Emergency Incident Information System Technical Advisory Panel meeting





The Following is a Listing of the The Florida Fire Incident Reporting

ALACHUA COUNTY

Gainesville Fire Rescue {5.0}
 Newberry Fire Rescue {5.0}
 Melrose VFD {5.0}
 Lacrosse Fire Dept. {5.0}
 Cross Creek VFD {5.0}
 High Springs VFD {5.0}
 Windsor VFD {5.0}
 Alachua County Dept. of Public Safety {5.0}

- Hawthorne Fire Dept.

Micanopy Fire Rescue {5.0}

BAKER COUNTY

City of Macclenny Fire Dept. {5.0}
 Baker County VFD {5.0}

BAY COUNTY

Panama City Beach Fire Dept. {5.0}
 Lynn Haven Fire & EMS {5.0}
 Panama City Fire Dept. {5.0}
 Parker Fire Dept. {5.0}
 Northwest Florida Beaches Int'l Airport Fire Dept. {5.0}
 Springfield Fire Dept. {5.0}
 Callaway Fire Dept. {5.0}
 Mexico Beach Dept. of Public Safety {5.0}
 Bay County Fire Rescue {5.0}

BRADFORD COUNTY

Starke Fire Dept. {5.0}
 Brooker VFD {5.0}
 New River VFD {5.0}
 Heilbron Springs VFD {5.0}
 Lawtey VFD {5.0}
 Hampton VFD {5.0}
 Theresa VFD {5.0}
 Sampson City VFD {5.0}

BREVARD COUNTY

Cape Canaveral Fire Rescue {5.0}
 Indianlantic Fire Rescue {5.0}
 CCAFS/KSC Fire Rescue {5.0}
 Palm Bay Fire Dept. {5.0}
 Cocoa Fire Dept. {5.0}
 Cocoa Beach Fire Dept. {5.0}
 Melbourne Fire Dept. {5.0}
 Indian Harbour Beach VFD {5.0}
 Malabar VFD {5.0}
 Melbourne Beach VFD {5.0}
 Satellite Beach Fire Dept. {5.0}
 Rockledge Fire & EMS {5.0}
 Titusville Fire & EMS {5.0}
 Brevard County Fire Rescue {5.0}

- Scottsmoor VFD
- South Melbourne Beach VFD
- Bellwood VFD
- Four Communities Fire Dept.
- Mims VFD
- South Beaches VFD
- Merritt Island VFD
- Canaveral Port Fire Dept.
- Canova Beach/Patrick Shores Fire Dept.
- District Four VFD
- Lake Washington VFD
- Micco VFD
- Suntree/Viera VFD

BROWARD COUNTY

Hallendale Beach Fire Rescue {5.0}
 Southwest Ranches VFR {5.0}
 Plantation Fire Dept. {5.0}
 Deerfield Beach Fire Rescue {5.0}
 Hollywood Fire Rescue {5.0}
 Lauderdale Fire Rescue {5.0}
 Pembroke Pines Fire Rescue {5.0}
 Margate Fire Rescue {5.0}
 Lauderdale by the Sea VFD {5.0}
 North Lauderdale Fire Rescue {5.0}
 Coral Springs Fire Dept. {5.0}

- Parkland Fire Dept.

Sunrise Fire Rescue {5.0}
 Pompano Beach Fire Rescue {5.0}
 Oakland Park Fire Rescue {5.0}
 Fort Lauderdale Fire Dept. {5.0}
 Tamarac Fire Dept. {5.0}
 Miramar Fire Rescue {5.0}
 Davie Fire Rescue {5.0}
 Lighthouse Point Fire Rescue {5.0}
 Broward Sheriff's Office Dept. of Fire Rescue & EMS {5.0}

- Dania Beach Fire Dept.
- Carver Ranches VFD
- Southwest Broward VFD
- Port Everglades Dept. of Public Safety

CALHOUN COUNTY

Westside VFD {5.0}
 Magnolia VFD {5.0}
 AlthaVFD {5.0}
 Carr-Clarksville VFD {5.0}
 Kinard VFD {5.0}
 Scott's Ferry VFD {5.0}
 Mossy Pond VFD {5.0}
 Nettle Ridge VFD {5.0}

CHARLOTTE COUNTY

Punta Gorda Fire Dept. {5.0}
 Charlotte County Fire & EMS {5.0}
 Little Gasparilla Island Fire Rescue {5.0}

CITRUS COUNTY

Citrus County Fire Services {5.0}
 Crystal River Fire Dept. {5.0}

CLAY COUNTY

Orange Park Fire Dept. {5.0}
 Keystone Heights VFD {5.0}
 Clay County Public Safety & Fire Rescue {5.0}

- Middleburg VFD

COLLIER COUNTY

Ochopee FCD {5.0}
 East Naples FCD {5.0}
 Immokalee FCD {5.0}
 Golden Gate FCD {5.0}
 Big Corkscrew Island FCD {5.0}
 North Naples FCD {5.0}
 Isles of Capri Fire Rescue {5.0}
 Naples Police & EMS {5.0}
 Marco Island Fire Dept. {5.0}

COLUMBIA COUNTY

Lake City Fire Dept. {5.0}
 Columbia County Fire Dept. {5.0}

DESOTO COUNTY

Desoto County Fire Rescue {5.0}

DIXIE COUNTY

Cross City Fire Dept. {5.0}
 Horseshoe Beach Fire Dept. {5.0}
 Dixie County EMS {5.0}

- Suwannee VFD
- Old Town Fire Rescue
- Jena VFD

DUVAL COUNTY

Jacksonville Beach Fire Dept. {5.0}
 Jacksonville Fire Rescue {5.0}

- Jacksonville Intn'l Airport
- Neptune Beach Fire Dept.
- Baldwin Fire Dept.

ESCAMBIA COUNTY

Pensacola Fire Dept. {5.0}
 Escambia County Fire Rescue {5.0}

FLAGLER COUNTY

Flagler Beach Fire Dept. {5.0}
 Bunnell VFD {5.0}
 Palm Coast Fire Dept. {5.0}
 Flagler County Fire Rescue {5.0}

- Korona Fire Dept.
- St Johns Park VFD
- Hammock Community VFD
- Rima Ridge Fire Rescue
- Espanola VFD

FRANKLIN COUNTY

Apalachicola Fire Dept. {5.0}
 Carrabelle VFD {5.0}
 St. George Island VFD {5.0}

GADSDEN COUNTY

Chattahoochee VFD {5.0}
 Florida State Hospital Fire Dept. {5.0}
 Greensboro VFD {5.0}
 Quincy Fire Dept. {5.0}
 Gadsden County Fire Service {5.0}
 Gretna VFD {5.0}
 Robertsville VFD {5.0}
 Havana Fire Dept. {5.0}
 Mt. Pleasant VFD {5.0}
 Wetumpka VFD {5.0}
 Concord VFD {5.0}
 Midway VFD {5.0}
 Sycamore VFD {5.0}

GILCHRIST COUNTY

Gilchrist County Fire Rescue {5.0}

- Bell Fire Dept.
- SE Gilchrist VFD
- North Gilchrist VFD
- Spring Ridge VFD

Trenton Fire Rescue {5.0}
 Fanning Springs VFD {5.0}

GLADES COUNTY

Moore Haven VFD {5.0}
 Glades County VFD {5.0}
 Lake Port VFD {5.0}
 Buckhead Ridge VFD {5.0}
 Muse VFD {5.0}
 Ortona VFD {5.0}



Fire Departments that Reported to System (FFIRS) Section During 2011



GULF COUNTY

South Gulf County Fire Dept. {5.0}
Highland View VFD {5.0}
Wewahitchka VFD {5.0}
Port St. Joe VFD {5.0}
Gulf County Beaches VFD {5.0}
Stone Mill Creek Fire Dept. {5.0}

HAMILTON COUNTY

Jennings VFD {5.0}
Jasper Fire Rescue {5.0}
Crossroads VFD {5.0}
White Springs Fire Dept. {5.0}
Genoa VFD {5.0}
Bellville Fire Dept. {5.0}

HARDEE COUNTY

Hardee County Fire Rescue {5.0}

HENDRY COUNTY

Clewiston VFD {5.0}
Labelle VFD {5.0}
Montura Fire Dept. {5.0}
Pioneer Plantation VFD {5.0}
Seminole Tribe's Fire Rescue {5.0}

HERNANDO COUNTY

Hernando Highpoint VFD {5.0}
Brooksville Fire Dept. {5.0}
Spring Hill Fire Rescue {5.0}
Hernando County Fire Rescue {5.0}
• Tri County VFD
Hernando Beach VFD {5.0}

HIGHLANDS COUNTY

Sebring Fire Dept. {5.0}
Highland Lakes VFD {5.0}
West Sebring VFD {5.0}
Lake Placid Fire Rescue {5.0}
Desoto VFD {5.0}
Avon Park Fire Dept. {5.0}
Highlands County Fire Admin. {5.0}
Leisure Lakes VFD {5.0}
Lorida VFD {5.0}
Placid Lakes VFD {5.0}
Sun 'N Lakes of Lake Placid VFD {5.0}
Sun 'N Lake Sebring Fire Dept. {5.0}
Venus VFD {5.0}

HILLSBOROUGH COUNTY

Plant City Fire Rescue {5.0}
Hillsborough County Fire Rescue {5.0}
• Dover-Creek VFD
• Cork-Knight VFD
• Lutz VFD
• Sun-Dance Fire Dept.
• Bloomingdale Fire Dept.
Tampa Fire Dept. {5.0}
Temple Terrace Fire Dept. {5.0}

HOLMES COUNTY

Bonifay VFD {5.0}
Gritney VFD {5.0}
New Hope VFD {5.0}
Ponce de Leon VFD {5.0}
Noma VFD {5.0}
Pittman VFD {5.0}
Esto VFD {5.0}

INDIAN RIVER COUNTY

Indian River Shores Public Safety {5.0}
Indian River County Fire Rescue {5.0}
• Indian River County EMS
• Sebastian VFD

JACKSON COUNTY

Cottondale VFD {5.0}
Campbellton VFD {5.0}
Marianna Fire Rescue {5.0}
Graceville VFD {5.0}
Sneads VFD {5.0}
Jackson County Fire Rescue {5.0}
Compass Lake VFD {5.0}

JEFFERSON COUNTY

Jefferson County Fire Rescue {5.0}

LAFAYETTE COUNTY

Mayo VFD {5.0}
Lafayette County Fire Dept. {5.0}

LAKE COUNTY

Eustis Fire Dept. {5.0}
Leesburg Fire Dept. {5.0}
Groveland Fire Dept. {5.0}
Tavares Fire Dept. {5.0}
Clermont Fire Dept. {5.0}
Mount Dora Fire Dept. {5.0}
Minneola Fire Rescue {5.0}
Fruitland Park Fire Rescue {5.0}
Mascotte Fire Rescue {5.0}
Umatilla Fire Dept. {5.0}
Lake County Fire Rescue {5.0}

LEE COUNTY

San Carlos Park FCD {5.0}
Tice Fire & Rescue District {5.0}
Bayshore Fire Rescue {5.0}
Cape Coral Fire Rescue {5.0}
Alva FCD {5.0}
Estero Fire Rescue {5.0}
Bonita Springs Fire Rescue {5.0}
Captiva Island FCD {5.0}
Lehigh Acres FCD {5.0}
Upper Captiva FRD {5.0}
North Ft Myers Fire District {5.0}
Sanibel Fire Rescue {5.0}
Lee County Port Authority ARFF Dept. {5.0}
Boca Grande FCD {5.0}
Fort Myers Fire Dept. {5.0}
Ft Myers Beach FCD {5.0}
Ft Myers Shores Fire District {5.0}
Matlacha-Pine Island FCD {5.0}
South Trail Fire Rescue {5.0}
Iona McGregor Fire District {5.0}
Useppa Island VFC {5.0}

LEON COUNTY

Chaires Capitola VFD {5.0}
Tallahassee Fire Dept. {5.0}
Miccosukee VFD {5.0}
Lake Jackson Fire Rescue {5.0}
Woodville VFD {5.0}
Bradfordville Fire Rescue {5.0}

LEVY COUNTY

Inglis Fire Dept. {5.0}
Bronson VFD {5.0}

Yankeetown VFD {5.0}
Cedar Key VFR {5.0}
Chiefland Fire Rescue {5.0}
Williston VFD {5.0}
Morrison Montbrook VFD (Levy County Fire Rescue) {5.0}
Fowlers Bluff VFD {5.0}
South Levy VFD {5.0}

LIBERTY COUNTY

Bristol VFD {5.0}
Rock Bluff VFD {5.0}

MADISON COUNTY

Lee Fire Dept. {5.0}
Greenville Fire Dept. {5.0}
Pinetta VFD {5.0}
Madison Fire Dept. {5.0}
Cherry Lake Vol Fire Rescue {5.0}
New Home Community VFD {5.0}
Sirmans VFD {5.0}
Madison County VFD {5.0}

MANATEE COUNTY

Longboat Key Fire Rescue {5.0}
West Manatee Fire Rescue {5.0}
Trailer Estates Fire Dept. {5.0}
Southern Manatee Fire Rescue {5.0}
Bradenton Fire Rescue {5.0}
East Manatee Fire Rescue {5.0}
Myakka City Fire District {5.0}
Cedar Hammock Fire Rescue {5.0}
Parrish Fire District {5.0}
North River Fire District {5.0}

MARION COUNTY

Dunnellon Fire Rescue {5.0}
Rainbow Lakes Estates VFD {5.0}
Ocala Fire Dept. {5.0}
Marion County Fire Rescue {5.0}

MARTIN COUNTY

Jupiter Island Dept. of Public Safety {5.0}
Martin County Fire Rescue {5.0}
Stuart Fire Dept. {5.0}

MIAMI-DADE COUNTY

Miami Beach Fire Dept. {5.0}
Hialeah Fire Dept. {5.0}
Miami-Dade Fire Rescue {5.0}
City of Miami Fire Rescue {5.0}
Coral Gables Fire Dept. {5.0}
Village of Key Biscayne Fire Rescue {5.0}

MONROE COUNTY

Monroe County Fire Rescue {5.0}
• Big Coppitt VFD
• Big Pine Key VFD
• Layton VFD
• Tavernier VFD
• Sugarloaf Key Fire Rescue

Key West Fire Dept. {5.0}
Ocean Reef Public Safety {5.0}
Islamorada Fire Rescue {5.0}
Key Largo Fire Dept. {5.0}
Marathon Fire Rescue {5.0}





The Following is a Listing of the The Florida Fire Incident Reporting

NASSAU COUNTY

Hilliard VFD {5.0}
 Fernandina Beach Fire Dept. {5.0}
 Nassau Oaks VFD {5.0}
 Nassau County Fire Rescue {5.0}
 • Bryceville VFD
 • Nassauville VFD
 Callahan VFD {5.0}
 Gray Gables/Nassau Village Fire Dept. {5.0}
 River Road Community VFD {5.0}
 Ratliff VFR {5.0}

OKALOOSA COUNTY

Destin FCD {5.0}
 Florosa FCD {5.0}
 Crestview Fire Dept. {5.0}
 Baker Fire Dist. {5.0}
 Fort Walton Beach Fire Dept. {5.0}
 Laurel Hill VFD {5.0}
 Ocean City-Wright FCD {5.0}
 • Sylvania Heights Fire District
 Valparaiso VFD {5.0}
 Mary Esther VFD {5.0}
 East Niceville Fire District {5.0}
 Niceville Fire Dept. {5.0}
 Dorcas VFD {5.0}
 Okaloosa Island Fire District {5.0}
 North Bay Fire District {5.0}
 Almarante VFD {5.0}
 North Okaloosa Fire Dept. {5.0}

OKEECHOBEE COUNTY

Okeechobee County Fire Rescue {5.0}
 Okeechobee Fire Dept. {5.0}

ORANGE COUNTY

Winter Park Fire Dept. {5.0}
 Apopka Fire Dept. {5.0}
 Reedy Creek Improvement District {5.0}
 Maitland Fire Dept. {5.0}
 Ocoee Fire Dept. {5.0}
 Orlando Fire Dept. {5.0}
 Winter Garden Fire Dept. {5.0}
 Greater Orlando Aviation Authority {5.0}
 Orange County Fire Rescue {5.0}

OSCEOLA COUNTY

Kissimmee Fire Dept. {5.0}
 St Cloud Fire Rescue {5.0}
 Osceola County Fire Rescue {5.0}

PALM BEACH COUNTY

Boynton Beach Fire Rescue {5.0}
 Palm Beach Gardens Fire Dept. {5.0}
 Greenacres Dept. of Public Safety {5.0}
 North Palm Beach Public Safety {5.0}
 Boca Raton Fire Dept. {5.0}
 Delray Beach Fire Rescue {5.0}
 Town of Palm Beach Fire Rescue {5.0}
 Palm Beach Shores Fire Dept. {5.0}
 Riviera Beach Fire Rescue {5.0}
 West Palm Beach Fire Rescue {5.0}
 Tequesta Fire Rescue {5.0}
 Palm Beach County Fire Rescue {5.0}
 • Pahokee Fire Rescue

PASCO COUNTY

New Port Richey Fire Dept. {5.0}
 Zephyrhills Fire Dept. {5.0}
 Port Richey Fire Dept. {5.0}
 Pasco County Fire Rescue {5.0}
 • Land O'Lakes VFD

PINELLAS COUNTY

Pinellas Suncoast Fire Rescue {5.0}
 South Pasadena Fire Dept. {5.0}
 Clearwater Fire Dept. {5.0}
 Oldsmar Fire Rescue {5.0}
 Largo Fire Rescue {5.0}
 Lealman Fire Dept. {5.0}
 Tarpon Springs Fire Dept. {5.0}
 Pinellas Park Fire Dept. {5.0}
 Gulfport Fire Dept. {5.0}
 Dunedin Fire Dept. {5.0}
 East Lake Tarpon Special Fire Control {5.0}
 Madeira Beach Fire Dept. {5.0}
 Palm Harbor Special Fire Control {5.0}
 Safety Harbor Fire Dept. {5.0}
 St Petersburg Fire Rescue {5.0}
 St Petersburg Beach Fire Dept. {5.0}
 Seminole Fire Rescue {5.0}
 Treasure Island Fire Dept. {5.0}
 St Pete/Clearwater Airport Fire Dept. {5.0}

POLK COUNTY

Auburndale Fire Dept. {5.0}
 Lakeland Fire Dept. {5.0}
 Haines City Fire Rescue {5.0}
 Lake Alfred Fire Dept. {5.0}
 Bartow Fire Dept. {5.0}
 Fort Meade Fire Dept. {5.0}
 Lake Wales Fire Dept. {5.0}
 Polk County Fire Dept. {5.0}
 • Fedhaven VFD
 • Jan Phyl Village Fire Dept.
 • Medulla VFD
 • Rifle Range Fire Dept.
 • Eagle Lake City Fire Dept.
 • Indian Lake Estates VFD
 • Polk City Fire Dept.
 • Providence Fire Dept.
 • Highland City VFD
 • Mulberry Fire Rescue
 • Willow Oaks Fire Dept.
 • Loughman VFD
 • Poinciana VFD
 • Golfview Park Fire Dept.
 • Caloosa Lake VFD
 • Grape Hammock VFD

Frostproof Fire Dept. {5.0}
 Winter Haven Fire Dept. {5.0}
 Dundee Fire Rescue {5.0}
 Davenport Fire Dept. {5.0}

PUTNAM COUNTY

Crescent City Fire Dept. {5.0}
 Palatka Fire Dept. {5.0}
 George's Lake VFD {5.0}
 Florahome-Grandin VFD {5.0}
 Francis VFD {5.0}
 Southwest VFD {5.0}
 Interlachen Lake Estates Fire Dept. {5.0}
 Pomona Park/Lake Como VFD {5.0}
 Interlachen Area VFD {5.0}
 East Palatka VFD {5.0}
 Satsuma VFD {5.0}

Welaka VFD {5.0}
 West Putnam VFD {5.0}
 Georgetown-Fruitland VFD {5.0}
 Hollister VFD {5.0}
 Bostwick VFD {5.0}
 Riverside VFD {5.0}
 Putnam County EMS {5.0}
 Bardin VFD {5.0}

SANTA ROSA COUNTY

Allentown VFD {5.0}
 Milton Fire Dept. {5.0}
 Bagdad VFD {5.0}
 East Milton VFD {5.0}
 Munson VFD {5.0}
 Pace VFD {5.0}
 Avalon Beach Fire Dept. {5.0}
 Gulf Breeze VFD {5.0}
 Jay VFD {5.0}
 Midway Fire District {5.0}
 Skyline Fire Prot & Rescue District {5.0}
 Holley Navarre Fire Protection {5.0}
 Navarre Beach Fire Dept. {5.0}

SARASOTA COUNTY

Nokomis VFD {5.0}
 Englewood Area FCD {5.0}
 North Port Fire Rescue {5.0}
 Venice Fire Dept. {5.0}
 Sarasota County Fire Dept. {5.0}

SEMINOLE COUNTY

Lake Mary Fire Dept. {5.0}
 Sanford Fire Dept. {5.0}
 Oviedo Fire Dept. {5.0}
 Seminole County Fire Dept. {5.0}
 • Altamonte Springs Fire Dept.
 • Winter Springs Fire Dept.
 Casselberry Fire Rescue {5.0}
 Longwood Fire Dept. {5.0}
 Orlando Sanford Airport Fire Rescue {5.0}

ST. JOHNS COUNTY

St. Augustine Fire Dept. {5.0}
 St. Johns County Fire Rescue {5.0}

ST. LUCIE COUNTY

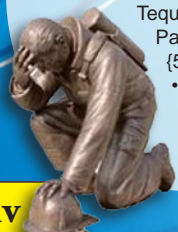
St. Lucie County Fire District {5.0}

SUMTER COUNTY

Sumter County Fire Rescue {5.0}
 The Villages Public Safety Dept. {5.0}

SUWANNEE COUNTY

Branford VFD {5.0}
 Live Oak Fire Dept. {5.0}
 Suwannee County Fire Rescue {5.0}
 • Falmouth VFD
 • Luraville VFD
 • Wellborn VFD
 • McAlpin VFD
 • O'Brien VFD
 • Ranchette VFD



Fire Departments that Reported to System (FFIRS) Section During 2011 (cont'd)

TAYLOR COUNTY

- Perry Fire Dept. {5.0}
Taylor County Fire Rescue {5.0}
- Steinhatchee VFD
 - Taylor Beach Fire Dept.
 - West District VFD
 - Athena VFD
 - North District VFD
 - Shady Grove VFD

UNION COUNTY

- Lake Butler VFD {5.0}
Union County VFR {5.0}
- Worthington Springs VFD

VOLUSIA COUNTY

- Ormond Beach Fire Dept. {5.0}
Deltona Fire Rescue {5.0}
Daytona Beach Shores Public Safety {5.0}
Deland Fire Dept. {5.0}

- Edgewater Fire Rescue {5.0}
New Smyrna Beach Fire Dept. {5.0}
Daytona Beach Fire Dept. {5.0}
Holly Hill Fire Rescue {5.0}
Orange City Fire Dept. {5.0}
South Daytona Fire Dept. {5.0}
Port Orange Fire Rescue {5.0}
Ponce Inlet Fire Rescue {5.0}
Volusia County Fire Services {5.0}
- Daytona Beach Int'l Airport Fire Dept.

WAKULLA COUNTY

- Crawfordville VFR {5.0}
St. Marks VFD {5.0}
Panacea VFD {5.0}
Wakulla County Fire Rescue {5.0}
Sopchoppy VFD {5.0}
Apalachee Bay VFD {5.0}
Ochlochnee Bay VFD {5.0}
Wakulla VFD {5.0}

WALTON COUNTY

- South Walton Fire Dept. {5.0}
Defuniak Springs Fire Dept. {5.0}
Freeport Fire Rescue {5.0}
Liberty Fire District {5.0}
Argyle VFD {5.0}
Walton County Fire Rescue {5.0}

WASHINGTON COUNTY

- Chipley Fire Dept. {5.0}
Country Oaks VFD {5.0}
Five Points VFD {5.0}
Greenhead VFD {5.0}
Hinson Crossroads VFD {5.0}
Orange Hill VFD {5.0}

The FFIRS Section would like to thank each of the fire departments responsible for making this report possible. In total, 533 fire departments reported incidents for 2011. This annual report is the product of the compilation of information received from those departments. We appreciate your support, which is essential to the production of the annual report. It is our goal to have all fire departments utilizing the reporting system. If your department is not currently participating in FFIRS and would like to, please contact our office at (850) 413-3698 or ffirs@myfloridacfo.com.





2011 Outstanding Fire and Rescue Service Personnel Honored



CFO Jeff Atwater Presents Fire Service Awards

TALLAHASSEE—Florida Chief Financial Officer and State Fire Marshal Jeff Atwater recognized the Coral Springs Fire Academy and honored 11 fire and rescue service personnel for exceptional dedication to fire and rescue services during the past year. CFO Atwater presented each honoree with an individual resolution signed by the Governor and members of the Cabinet at the Fire Service Awards ceremony. The honorees were also recognized jointly at a cabinet meeting at the Capitol.

“These men and women are true leaders, role models and heroes who put their lives at risk every time they respond to a fire call,” CFO Atwater said. “I am proud to recognize the outstanding and courageous work that is done by our fire-service professionals every single day to protect their fellow Floridians.”

CFO Atwater presented the following individuals with a Fire Service Award:

- ★ Fire Inspector of the Year: Roy Isakson, Midway Fire District
- ★ Fire Instructor of the Year: Gil Aspinwall, South Walton Fire District
- ★ Forestry Firefighter of the Year: Tim Hawks, Division of Forestry in Vero Beach
- ★ Fire Marshal of the Year: Ed Riley, Collier County Fire District
- ★ Professional Firefighter of the Year: Nate Spera, St. Lucie County Fire Department
- ★ Career Firefighter of the Year: Eric Stokes, Tampa Fire Rescue
- ★ Fire Chief of the Year: Michael Tucker, Villages Public Safety Department
- ★ Fire Investigator of the Year: Murray McDonald, Bureau of Fire & Arson Investigations
- ★ Chad Reed Emergency Manager of the Year: Roger Hagan, Washington County Department of Emergency Management
- ★ Volunteer Fire Chief of the Year: David Pearson, Nassau Oaks Volunteer Fire Department
- ★ Volunteer Firefighter of the Year: Scott Mann, West Sebring Volunteer Fire Department
- ★ Training Center of the Year: Coral Springs Fire Academy, accepted by Michael McNally, Chief Training Officer

The Fire Service Awards are coordinated through the State Fire Marshal’s Office annually and are sponsored by the following fire-service related organizations: the Florida Joint Council of Fire & Emergency Services, the Fire Training Director’s Association, the Florida State Firefighters Association, the Florida Fire Chiefs’ Association, the Florida Fire Marshals and Inspectors Association, the Professional Firefighters Association and the Emergency Preparedness Association. For more information about this year’s Fire Service Award winners, please visit: <http://www.myfloridacfo.com/sfm/fsa/>.





Florida Fire Incident Reporting System Fire Department Information Update



Please take a moment to complete the following survey and return it to the Florida Fire Incident Reporting System Section. We are dedicated to enhancing our training services, course information, and support to Florida fire departments.

Fire Chief: _____ Email: _____

Fire Department: _____ FDID: _____

Mailing Address: _____

Physical Address: _____

Phone Number () _____ - _____ Fax Number () _____ - _____

FFIRS Administrator: _____ Email: _____

Name of Reporting Software: _____

Users of the USFA/National Fire Incident Reporting System software (Data Entry Tool) only

What version is your fire department using: _____

Are you reporting On-line or Off-line: _____

If not currently reporting, please check the reason(s) below:

- No computer
 - No reporting software
 - Limited knowledge of software
 - Other, please explain: _____
- and/or reporting options _____

If not currently reporting to FFIRS, is your fire department providing incident data to a local or county department?

Yes, name of department: _____

No

The FFIRS Section offers courses on the following (Please check any that would be beneficial to your department):

- Guidelines to proper coding of incidents
- Data analysis
- Installation and use of the USFA/NFIRS software

Contact person (if different from above): _____

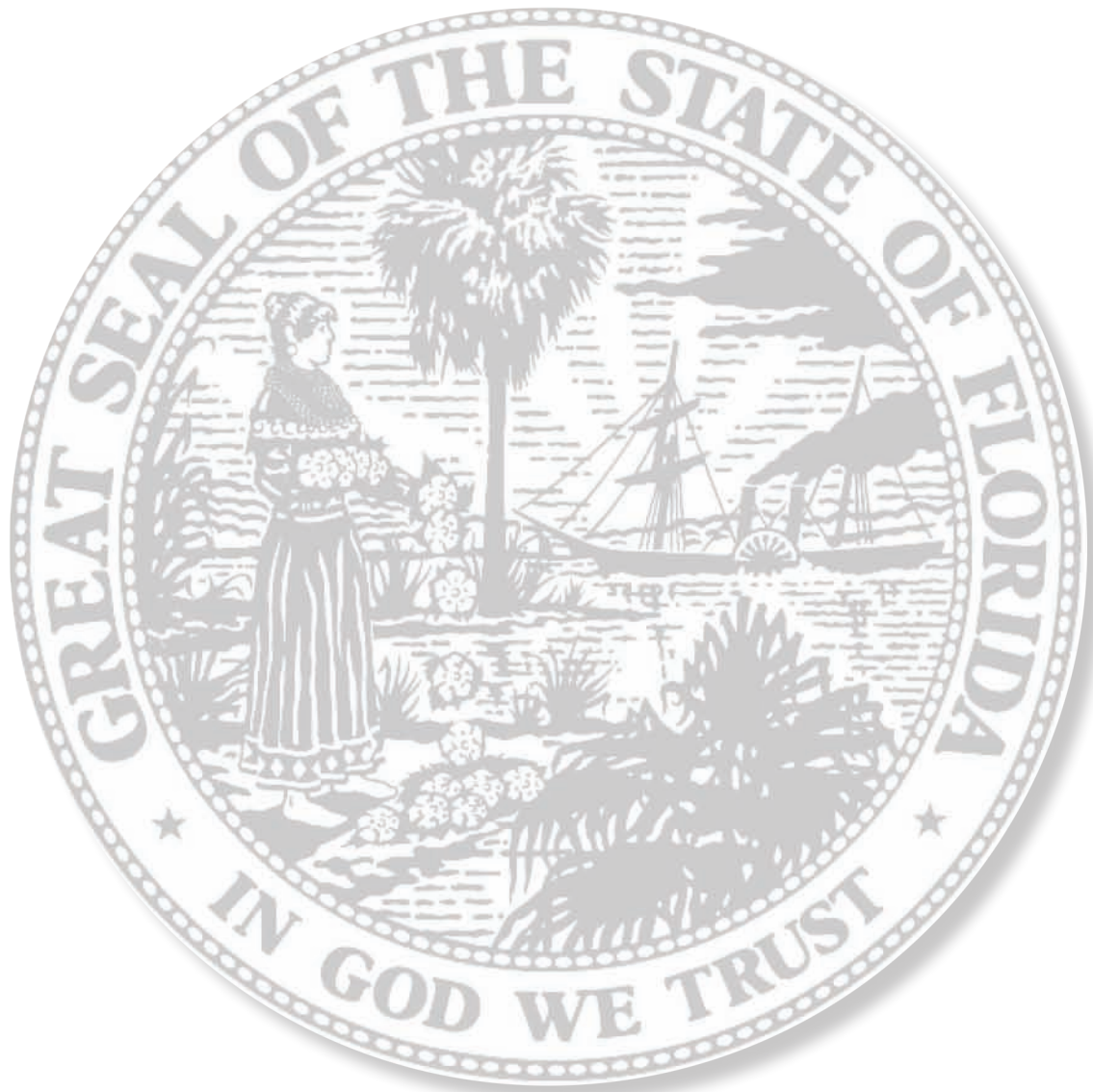
Phone number: () _____ - _____

Additional comments: _____

Please return this form by using the following fax or mailing address:

Mailing Address: Division of State Fire Marshal
FFIRS Section
200 East Gaines Street
Tallahassee, FL 32399-0340
Fax: (850) 921-7525









Florida Fire Incident Reporting System Section

"Fighting Fires With Facts"

