



**Charley's Arrival
Downtown Orlando Florida**



**Evacuations Ordered
Howard Frankland Bridge,
Pinellas County Florida**



Punta Gorda Florida



Pensacola Florida

Hurricane Season



FLORIDA FIRES

2004 STATE FIRE MARSHAL ANNUAL REPORT

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State Fire Marshal employees assisting Floridians in coping with hurricane aftermaths.

**Division of State Fire Marshal
Florida Department of Financial Services**

Florida Fires 2004



**This report is also available in electronic format through the
State Fire Marshal Section of the
Florida Department of Financial Services**

WEBSITE ADDRESS:

www.fdsb.com/SFM





STATE FIRE MARSHAL TOM GALLAGHER



Tom Gallagher
State Fire Marshal

As State Fire Marshal, I am sensitive to the dangers you and other firefighters face. When you respond to a call, you never know what may come your way, but you know why you go: because you are committed to serve and protect your fellow citizens.

I want to thank the Florida fire departments who participated in the compilation of this edition of *Florida Fires*. This report can be an important tool for emergency personnel and community leaders in evaluating their communities' fire safety needs and identify ways to do their jobs more safely.

I also want to thank Florida's fire and emergency rescue personnel for the dedicated service they provide to Floridians 365 days a year. The statistics in this report show that participating fire departments responded a combined 3,800 incidents every day.

The citizens of Florida are fortunate to have dedicated individuals such as you on the other end of the phone when they call for help. We owe you each a tremendous debt of gratitude.

Sincerely,

Tom Gallagher





DIVISION DIRECTOR RANDALL NAPOLI



Randall Napoli
Division Director

2004 proved to be one of the most trying years in the history of the Florida fire service. Four major hurricanes impacted our citizens, and every county of the state experienced some level of damage. The fire service, working with the other emergency response disciplines met the challenge of protecting those who rely on us during the storms, as well as during the recovery phase.

Even while the hurricanes raged, our traditional mission of responding to structure fires, mitigating hazardous materials incidents, treating victims of vehicular accidents and medical emergencies and inspecting buildings for fire code compliance continued.

This report catalogs the 2004 statistics submitted by fire service agencies from all across the state. These statistics are a vital planning tool as we look to the future, for both our domestic security and traditional response missions. The effort expended by the agencies that report to us is rewarded by their knowledge that the service that they provide to Florida citizens is recognized, and can be shared with officials in policy-making positions.

The Florida Fire Incident Reporting System (FFIRS) and the National Fire Incident Reporting System (NFIRS) have partnered to provide organizations with a uniform system to gather and analyze information on the magnitude of Florida's fire problem. FFIRS and NFIRS have two objectives: to help state and local governments develop incident reporting and analysis capability for their own use; and, to obtain data that can be used to more accurately assess and subsequently combat the fire problem at the state and national level.

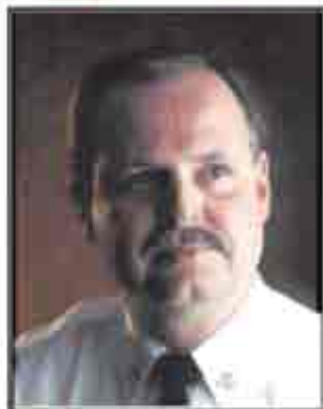
I offer my thanks to those agencies that have contributed to this report. We encourage all fire service agencies to join with us, and to become a contributing member as we paint this statistical picture of the many life saving functions performed by Florida fire and emergency service organizations.

Sincerely,

R.W. Napoli
Randall W. Napoli
Director



BUREAU OF FIRE STANDARDS AND TRAINING



*Dave Casey, Bureau Chief
FSFC Superintendent*

Based on Legislative direction, the scope of the mission of the Bureau of Fire Standards and Training (BFST), which operates the Florida State Fire College (FSFC), has dramatically increased over the last few years. Florida Statute 633.801, the Florida Firefighter Occupational Health and Safety Act (FFOHSA) created a third distinctive responsibility to the Bureau's training/education and certification roles. It added statutory responsibility over volunteer firefighters and their now required training and certification. This doubled the size of the previous constituency for the Standards Office and resulted in an increase in administered tests. The Act gives the Division of State Fire Marshal (DSFM) the responsibility of providing training, investigations and analytical services dedicated to improving firefighter safety. Two fatal training incidents were investigated during the past year. To deter

these fatal accidents from occurring, a broad cross section of constituent, fire departments and training providers are working to develop a new training and certification program to meet new legislation for instructors that train firefighters using live fire conditions. This has created national interest and the Lead Instructor from BFST will address the national consensus committee that oversees that National Fire Protection Association (NFPA) standard. Via our website, local fire departments can download sample Comprehensive Safety and Health plans, "best practices" policies and investigative reports.

Domestic Security. In response to the domestic security needs of Florida's fire and other emergency services, the Bureau of Fire Standards and Training has taken a leadership role by working with the Florida Association of Search and Rescue to develop Florida's Urban Search and Rescue System (US&R). Also, the Bureau handled the equipment purchases and coordinated the delivery of innovative and cost effective training. The Bureau is overseeing the organizing of Florida's Urban Search and Rescue System with six US&R teams and over 55 local Light Technical Response Teams, which are funded by the Federal Office of Domestic Preparedness (ODP)/ Department of Homeland Security. The Bureau is also serving as the coordinator for next year's ODP funding for local fire services. As the Fire College provides or facilitates specialty training and interagency meetings and programs, including being the lead developer of chemical/biological personal protective equipment training for law enforcement officers, it is now common to see new "customers" at the Fire College including

Davis Productivity Awards

BFST was recognized with two Davis Productivity Awards this year. A Tax Watch project, the award is given to agencies and employees that innovatively provide services and save funds.

The first was for the Fire College Department of Insurance Continuing Education (FCDICE) system that allows firefighters to check their records including renewal status, apply for courses and much more. The system is the backbone of the new state credentialing system funded by federal domestic security funding.

The second award was for the launch of the state Urban Search & Rescue system that was in response to the hurricanes of 2004.

law enforcement, emergency medical services, military, emergency management and other government agencies.

While a major tenet of the plan is for local training, a permanent US&R center has been completed at the Florida State Fire College to train trainers and to provide ongoing classes for team sustainment and team "capstone" exercises to verify readiness. To help provide local training, a mobile training unit was requested and the Federal government approved its purchase.

Computerized Registration System. To allow for easier record access by students and their employing agencies, a new Oracle-based software package was purchased based on a similar package used by another Division in the Department of Financial Services. The second phase, in which funding was approved by the Federal government, will allow for easier verification and expeditious processing of a responder's credentials and identification and for other certification and application processes. This computerized system allows students to check their recertification dates, training records and continuing education units, enroll in courses, reserve dormitory rooms and more online at www.floridastatefirecollege.org.

Up-To-Date and Uniform Curriculum. To better provide a more up-to-date and uniform curriculum for courses leading to certifications, the Bureau partnered with the Florida Fire Training Directors Association and the community college fire science program coordinators to revise course curriculum and provide train-the-trainer programs complete with course materials. This has been very successful and well received with a recent program offered at the Florida State Fire College that featured the textbook's author along with our lead instructor.

The Florida State Fire College continues eight decades of training in a leadership role and partners with local fire departments, regional training centers, community colleges and representative groups to further advance the effectiveness and safety of Florida's firefighters in the 21st Century.

**\$32,000,000 Federal Funds Administered
by BFST under contract from
Department of Emergency Management**

- 96% to local government for training, equipment and some personnel costs.
- \$3M for 11,400 radiological monitors for emergency responders (fire, law enforcement, EMS) delivered.
- Training and equipping six Urban Search and Rescue (US&R) teams, 759 responders, 182,160 training hours, several millions of dollars of equipment on order.
- Proven value: 4,871 technical searches of structures completed in 62 hours after Ivan's landfall by Florida and Federal US&R teams.
- Approximately 55 Technical Rescue Teams being formed throughout state with local fire departments, 900 responders, 108,000 hours of training underway, approximately \$25,000 equipment each.
- Remainder to training and response infrastructure to support local government such as training props at the Florida State Fire College in Ocala and re-locatable props, expanded Explosive Ordinance Disposal (EOD) response by DSFM.
- Building a US&R training center at the Florida State Fire College, first phase of trench, confined space, rubble pile rescue is completed, next phase will add structural collapse simulation props to current burn building to make the only "post blast" collapse simulator in US (collapse conditions with fire and smoke).
- 28 regional hazardous materials teams supported with funded training, Chemical, Biological, Radiological and Nuclear (CBRN) detection equipment purchases, and tow vehicles for current trailers.

TRAINING SECTION – Susan T. Schell, Training Supervisor

The Training Section of the Bureau develops curricula in cooperation with the training centers and community colleges around the state and delivers training at the Florida State Fire College on a routine basis. The training section also assists other agencies with program deliveries such as Great Florida Fire School and Fire Rescue East. Even with the 2004 historic hurricane season, the college offered 105 classes in 10 specific disciplines resulting in over 160,000 direct contact hours. There was enrollment of 5,023 students in the first nine months of fiscal year 2004.

Volunteer Week 2004 was well attended with 262 students participating in 13 classes. This resulted in 7,312 hours of instruction. Transcaer, provided through a partnership between hazardous materials industries and FSFC, hosted 23 classes that 374 students participated in resulting in 1,460 hours of training. Because of the hurricanes, the Great Florida Fire School was postponed from November 2004 to January 2005. 27 classes were offered with 287 students attending. A total of 4,933 contact hours was achieved.




Urban Search and Rescue Training Facility

With the cooperation of our training partners, several programs underwent reviews, revisions and development. Company Officer was developed and Train-the-Trainers were conducted. The Tactics I class was revised under a new textbook, the pilot class offered and Train-the-Trainers conducted. Tactics II began its revision with an estimated completion date of summer 2005. A major undertaking was the development of a Live Fire Safety Training program designed to train instructors in charge of the correct procedures to conduct a live burn safely following NFPA 1402 and 1403. Along with this program, both House and Senate bills were placed in legislation to require instructors in charge of these burns to have completed this training. The program has an estimated completion date of July 2005.

With the growth of classes and activities at the FSFC, the training facility was reviewed. Plans to upgrade the burn building at FSFC began in the fall of 2004. Plans are being developed to have gas-fueled props and to add a post blast training room that will allow heat and smoke components. This building will be the first of this type training facility nationwide. The US&R facility also continues to be upgraded and embellished.



Transcaer Training



Partnerships and Communications. The Training Section has partnered with the training center directors and community colleges for better coordination of programs, especially those leading to state certifications. Progress has been made with on-line registration and electronic tracking of classes conducted by providers throughout the state. The Section also participated in the Fire Rescue East Conference in coordination with the Florida Society of Fire Service Instructors and the Florida Fire Chiefs' Association.

The Bureau of Fire Standards & Training maintains a strong partnership with the University of Florida (UF) and community colleges throughout the state. Barbara Klingensmith and John DeLorio of the Bureau serve as University of Florida faculty to oversee and conduct the Bachelor's of Science Degree program. The courses are outlined below.

Bachelor of Science Degree. Junior and senior year coursework is available for featured programs in:

- Public Administration
- Fire Service Management
- Emergency Medical Services Management, and
- Emergency Management

Students take courses in these disciplines and graduate with a Bachelor of Science Degree which prepares them for the full spectrum of emergency services leadership challenges. The current student enrollment in the program is 129. This online degree program includes students from all parts of Florida, as well as all over the world. Florida is an integral part of the National Fire Academy's Fire and Emergency Services Higher Education conference, which is chaired by Barbara Klingensmith.

In an effort to increase communications throughout the state, the A-List was developed and implemented. Interested individuals can join the A-list to receive current information on activities, events and courses that are offered. The Bureau also maintains open communication lines with our constituent groups by sending representation to various meetings. Constituent groups are also notified of training specific to their areas of expertise for further distribution to the firefighters throughout the state.

The Marion County Community Technical Adult Education section is co-located at the Florida State Fire College and operates Firefighter I and II programs and a number of fire college courses onsite. Central Florida Community College also has an office onsite.

Personnel. Elias "Buck" Tomlinson was recognized for his achievements as an instructor by being presented the "Instructor of the Year" award in February 2005. Buck is known throughout the state for his dedication and concern for all fire service personnel. Many students wait anxiously to register for any class that Buck is teaching.

The Training Section was also very fortunate to be able to hire a new full-time instructor and Instructor Supervisor (Training Programs Manager) December 2004. Charles Brush was hired and given the task to coordinate and facilitate the Firefighter I and II Training programs, and Susan Schell was hired to supervise the training programs and curriculum through the FFP2000 levels.

John DeLorio joined the staff as an academic instructor for the UF program, and he oversees much of the domestic security funding and represents the State Fire Marshal at state strategy meetings and other domestic security and emergency management functions of the Division.



Disaster Response & Inter-Agency Training

Disaster Response & Inter-Agency Training. Under the direction of the Division of State Fire Marshal, the Bureau also responds to natural, technological and man-made disasters in Florida as part of the department's continuing role as lead agency in Emergency Support Functions 4 & 9 (firefighting & search and rescue). The Bureau provides disaster management personnel for the State Emergency Operations Center (SEOC) and field response personnel for firefighting and search and rescue.

The Bureau takes the leadership role in many inter-agency training activities relative to emergency management, hazardous materials, incident command and other such issues. The participating agencies include, but are not limited to, the Division of Emergency Management, the State Emergency Response Commission, the Local Emergency Planning Councils around the state, and the Florida Department of Agriculture's Division of Forestry.

The Bureau was able to place its training into use during the 2004 hurricane season. Personnel were assigned to assist in the field throughout the state, to assist with communications at the SEOC, and the FSFC was opened to stage responding US&R Task Forces and other fire service strike teams and task forces, as well as shelter staff members who were affected by the storm. Personnel from the Bureau served seven weeks at the SEOC during the hurricanes.

US&R Training – Tom Quinn, US&R Coordinator.

A very cost effective and innovative public/private training provider consortium was developed to allow for the rapid delivery of training throughout the state. In the first year, it provided 252 US&R courses taught to 1,135 students for a total of 46,478 hours of instruction. Operations and Technical level training took place for all six Florida Task Forces in the five US&R disciplines: Rope Rescue, Vehicle and Machinery Extrication, Confined Space, Trench Rescue and Structural Collapse. In the near future we will offer, in addition to the ongoing Operations and Technical levels, US&R Specialist training for Task Force Leader, Technical Information Specialist and Logistic Specialist.

National Fire Academy Programs. The Fire College has been identified as a lead agency for course distribution by the Federal Emergency Management Agency and the National Fire Academy. The Fire College, through a federal grant, offers on-site National Fire Academy programs.



National Fire Academy


FIRE STANDARDS SECTION -

Bill DePrau, Interim Field Examiner Supervisor

The Standards Section has regulatory responsibility for statutorily mandated certification standards for all career firefighters, fire inspectors, fire instructors and various other disciplines. With recent changes created by the Florida Firefighter Occupational Safety and Health Act, Florida's estimated 12,000 volunteers will become certified as Firefighter I or registered under a certified exemption process. The Bureau of Fire Standards and Training has the responsibility of testing and recording the individual certifications.

The Bureau of Fire Standards began development on Phase II of the FCDICE database for the Bureau's Records Section. Phase one of FCDICE Oracle-based computerized registration system is now operational. The system replaces the Microsoft-based Access programs, which were being used to track student records. In the past, staff would access the database for requested student training records. Now, with the Oracle system, students go on-line to review their personal academic files, register into academic programs, register for special events and secure reservations for a campus dormitory room. This is accomplished with immediate response and without staff utilization.

Fire Inspectors and Instructors are required to have continuing education units (CEUs) to maintain their certification(s). This has always been a very labor-intensive process for the firefighters, their employers and for the Bureau. FCDICE has all Florida State Fire College training records applicable to CEUs automatically directed into an individual's record. This component of the system allows individual firefighters to check their records via the Internet and to determine what CEUs they need. This reduces staff time previously needed to hand



review the renewal applications and records. Federal funding paid for this phase of the system. Working with the Florida Fire Chiefs' Association and other constituent groups, the CEU component of the system has been expanded to major training conferences around the state and is offered free to community colleges, certified fire training centers and individual fire departments.

The Standards Section conducted and maintained records on 7,209 examinations in 2004 for certifications and certificates, a 23% increase from 2003. The Standards Section is the repository of all certifications issued for firefighters in the State of Florida, maintaining records on approximately:

Firefighter Service Examinations Administered in 2004

942	Firefighter I	93	Fire Investigator I
3,411	Firefighter II	62	Special Fire Safety Inspector I
444	Fire Safety Inspector I	401	Pump Operators
534	Fire Officer I	31	Portable Extinguisher Licensee
323	Hazardous Material Tech.	253	Portable Extinguisher Permittee
470	Fire Service Instructor I	25	Pre-Engineered Sys. License
93	Fire Service Instructor II	127	Pre-Engineered Sys. License

Firefighter II Equivalency received and reviewed - 290

Firesafety Inspector and Fire Service Instructors renewed in 2004 - 1,615

The Standards Section also administers the Firefighter's Educational Supplemental Compensation Program. In 2004, annual salary incentives were provided to 227 fire departments for over 5,768 certified firefighters who earned Associate and Bachelor degrees. Total funds disbursements were \$4,746,722.96.

The Standards Section ensures professionalism in Florida's fire service by requiring minimum competencies at all levels of certification, beginning with the certification of training centers, regulated curriculum requirements, instructor requirements and mandated testing procedures. Florida Statutes regulate Florida's Firefighter and Fire Safety Inspector Certification programs. The Florida Administrative Code regulates all other competency programs.

During the past year, the field examiner assigned to South Florida has responded to assist in coordinating emergency relief efforts to those areas impacted by hurricane damage. This examiner has been instrumental in assisting with investigations to fire related incidents in South Florida.



The Standards Section also attends administrative hearings relative to Firefighter Certification, Firesafety Inspector Certification and Firefighters Educational Supplemental Compensation.

National Accreditation. Although our programs are statutorily driven and national accreditation is not required, the National Board on Fire Service Professional Qualifications has accredited five of our most important programs. Those programs include:

- Firefighter II
- Fire Officer I and II
- Public Fire and Life Safety Educator I and II
- Fire Instructor I and II, and
- Fire Inspector I and II


A student who earns the Florida Fire Inspector I certification is eligible to be certified at the national Fire Inspector I, Fire Inspector II and Plans Examiner I levels. This important third party review and accreditation of the State's certification programs ensure the fire service community regulated by the Bureau that our programs measure competencies developed at the national level.

FIREFIGHTER SAFETY & HEALTH PROGRAM SECTION – Walt Malo, Program Manager

This Firefighter Safety & Health Program Section is charged with the implementation of "Florida Firefighters Occupational Safety and Health Act" (Florida Statute 633.801-633.821) and "Firefighter Employment Standards" (Florida Administrative Code 69A-62). On September 6, 2004, this Standard was formally adopted into law. The Safety and Health Program Section primarily includes investigations, report preparation, safety training programs and trend analysis on the injuries and deaths of firefighters in the State of Florida. Our state is one of the few states that operate an "OSHA" like program dedicated to firefighter safety.

To date, this section has conducted three investigations of firefighter injuries, two of which involved firefighter trainee fatalities. We have declared that the training ground must be the safest and most controlled environment that a firefighter will experience. This is the only time we have an opportunity to stop in the midst of a fire and review what is going on.

The Firefighter Safety & Health Program Section maintains a web page located at www.fldfs.com/sfm/bfst/FSFC/SafetyHealth/FireSafetyandHealth.htm. On this web page we have provided links to safety information as well as to current statistics on Line of Duty Deaths in the United States. This web page is continuously updated with new safety and training trends and events. We are providing a section titled "Best Practices" in which we provide



samples of procedures that can be downloaded for use by the fire service throughout Florida. Most important of these downloads is the "Model Safety and Health Program." Under FAC 69A-62, this document is required to be on file with each fire department. This model allows a local jurisdiction to follow steps to identify their local procedures for reporting problems and insuring resolution to avoid needless injuries. There are several safety related S.O.P.'s and S.O.G.'s from city and county fire departments throughout Florida for adoption by other departments.

The Firefighter Safety & Health Program Section continues to provide training on this legislation including a free two-hour seminar for Company Officers held in conjunction with Fire Rescue East, Florida's largest fire service expo and training conference.

We are continually striving to reach our goal of sending every firefighter home after a call. Our motto is "Everyone Goes Home".

STUDENT SERVICES - Jerome Calhoun, Student Services Supervisor

The Student Services Supervisor position consolidated previously overlapping functions. The supervisor's responsibilities include registration, facility utilization (classrooms, dorms, etc.), bookstore, library services, etc. During the past year, a number of program enhancements have occurred that have resulted in considerable improvements in expediting responses for student record requests, registration for classes and reservations of dormitories.

Major improvements in campus security and student safety have resulted in:

- Video surveillance cameras have been installed in the dormitory hallways and entrances. The motion activated digitally recorded video image is monitored by the security personnel. This information proves valuable in identifying potentially dangerous situations.
- Each dorm room and dorm building entrance has been electronically connected to a keyless entry system. When activated, all pre-registered guests are able to gain direct entry to their dorm rooms, eliminating the need to locate the security guard for after hour arrivals. Entry codes change at the end of each guest's visit and each keyless entry action is recorded on a security system record.

In addition to physical improvements, there have been program operational changes. These improvements have streamlined the registration process, such as assigning staff to complete specific program support tasks and reviewing staff work as part of a quality assurance measure.

FACILITIES

The Bureau benefits from its centralized location in Ocala where it has operated since 1949. In 1989, the Florida State Fire College moved to its current 37.5-acre campus just north of the city. The picturesque campus, located in the rolling wooded hills of Central Florida's horse country, has its own dormitories, cafeteria, bookstore, learning resource center, classrooms and training grounds.

The dormitories provide college-style lodging and the dining hall seats over 150. The William E. Clark Assembly Hall named in honor of the former FSFC superintendent and founder of the International Society of Fire Service Instructors, seats over 250 and provides state-of-the-art audiovisual technology for seminars and meetings. In addition, the Fire College Learning Resource Center provides students and researchers with on-line access to a variety of electronically formatted reference materials housed at the Fire College and around the world via the World Wide Web.

The new **Urban Search and Rescue (US&R) Facility** is near completion at the rear of the campus. The first phase includes collapse and confined space scenarios being prepared through a grant from the Florida Division of Emergency Management. The second phase, funded by the Federal Office of Domestic Preparedness, will include a permanent "collapse" building with numerous scenarios that can be changed to simulate collapse scenarios following explosions, weather incidents and other accidental or malicious intent events. The facility will provide basic through advanced training to prepare Florida's US&R and other emergency response teams.



The **Transportation Emergency Training Facility** is a seven-acre site with the multi-million dollar investment of numerous donations from private industry, government organizations and a state Investments in Innovation Grant. This site houses a variety of railroad cars, a full-size chemical reactor, several over-the-road freight vehicles and pipeline manifold emergency simulators. The props are piped and plumbed for actual fires, spills and leaks to provide the utmost in controlled realism for fire-rescue and hazardous materials responders. It is hardly a static site with improvements and additions constantly being made.

Affiliations. The Fire College also has strong working relationships with every fire-rescue department statewide and numerous fire service organizations. These include:

- The Florida Advisory Committee on Arson Prevention
- The Florida Emergency Preparedness Association
- The Florida Executive Fire Officers' Association
- The Florida Fire Chiefs' Association
- The Florida Fire Marshals and Inspectors Association
- The Florida Professional Firefighters
- The Florida Society of Fire Service Instructors
- The Florida Association of Search and Rescue
- The Florida Association of Hazmat Responders
- The Florida State Firefighters' Association



With the guidance of the Florida Firefighters Employment, Standards and Training Council, the Fire College receives representative input from fire service organizations, higher education and the private sector.

Maintaining a Leadership Position:

The Bureau of Fire Standards & Training has taken a true leadership role in the State's activities with domestic preparedness. Working with the fire services, emergency management, emergency medical services, law enforcement and the military for training and response issues, the Florida State Fire College has prepared and delivered training programs, consulted and participated in response plans and coordination, and become the lead state agency on the Florida Urban Search and Rescue System, helping to coordinate the training and equipping of 55 Light Technical Rescue teams to Urban Search and Rescue Task Forces throughout the State. It is also coordinating specialized biological and chemical detection training for all 28 hazardous materials teams identified by the State Emergency Response Commission. It continues to be an active partner in the Inter-Discipline Educational Alliance that is responsible for the "Prepare Florida" initiative. The Bureau and the Fire College continue to provide training, expertise and facilitation to a more diverse group of responders than ever before. Bureau Chief Dave Casey continues his role as Vice-Chair of the State Working Group, Susan Schell serves on the training committee and is the all-discipline lead instructor for the new federally required National Incident Management System training, and Allen Lovvorn is a primary member of the credentialing committee and has served for 8 years. He is also currently the chair of the Department of Financial Services Information Resources Management Advisory Group.

The Bureau continues its role in state emergency response by being a primary force in making the Florida Field Operations Guide a reality and expanding the organization of statewide disaster and emergency response. The Bureau of Fire Standards and Training will always be a responsive organization, dedicated to the highest levels of professionalism and quality on behalf of the statewide fire service.





BUREAU OF FIRE PREVENTION



Jim Goodloe, Bureau Chief

The Bureau of Fire Prevention continues to embrace speed and excellence while directing its attention to several important areas this year. Our code development processes continue to improve as we implement a data entry system for public school inspections, focus unparalleled attention to campus fire safety for our colleges and universities, and continue to reach out to all segments of the community.

The 2004 edition of the Florida Fire Prevention Code (FFPC) was released in January completing over a year's worth of public and private effort. In only its second printing, the FFPC is bound as a single document with Florida specific changes embedded therein. The Bureau targets its fire safety emphasis to statewide applications emphasizing the need to address small county concerns as well as those of large urban areas. The roles of the Fire Code Advisory Council and the Fire Safety Board continue to make a definitive impact on the development of and the improvement to Florida's fire safety standards. We will continue to pursue programs, policies and partnerships with allied industries and associations, and broaden access to our continuous code development processes. We are an active partner in Prevention Resource and Data Exchange (PARADE), an idea sharing resource network of fire prevention professionals nationwide under the direction of the National Fire Academy.

The Bureau, while continuing innovations in its enforcement operations, participated in the interagency effort "Operation Spotcheck," identifying fire safety violations in occupancies housing the elderly. Fire Prevention Week's activities were directed toward our smaller counties where joint public educational programs were delivered to hundreds of grade school children. The concept of "Team Inspections" was introduced as a means of completing inspections of major facilities in less time. Facilities, such as those averaging over 100,000 square feet in size, have been reduced from a two or three day inspection to a single day event. The Section continues to work with Florida's public universities in addressing the installation of fire sprinklers in dormitories.

The Bureau was instrumental in the development of a fire safety video directed at college level students that emphasized common violations found in the residential housing units of universities. The video was distributed at no cost to public and private colleges and universities. The focus on fire safety for Florida's elders was the target of a training and awareness program called "Fire Safety Tips for Elders." This program, developed with the support of the Bureau, was distributed to senior citizen's centers throughout the state.





North Region Fire Protection Specialist Eric Bryant inspects a common code violation at a university residential housing unit.

Operational efficiency will continue to be a major focus of the Bureau with technology being explored for application to all facets of our business. Technology is being explored to permit the acceptance of construction documents in an electronic format. This will reduce turn-around time for many projects, such as renovations and small plan changes, to as little as a few minutes.

The Bureau continues to identify and reward its outstanding employees, providing them with the resources they need to deliver exceptional service. Professional development of our staff focuses on the implementation of objective based training in areas that threaten Florida's future. We continuously strive to maximize efficiency and reduce bureaucracy. Our diverse workforce is encouraged to generate innovative ideas to address the needs of our broad spectrum of customers.

Staff members of the Bureau, in conjunction with other Division personnel, will continue performing in both administrative and field operational roles in support of ESF 4&9 (firefighting & search and rescue). Our staff will continue to staff the State Emergency Operations Center, to serve as functional components of Rapid Impact Assessment Teams and to actively serve in search and rescue operations. The Bureau staff receives certification level training using an all hazard approach to emergency management.

The entire staff of the Bureau of Fire Prevention seeks to deliver exceptional customer service. Our web site, www.fldfs.com/SFM continues to be the first link in our information highway and lists public meetings, workshops, hearings and code specific information of interest to our customer base. We invite you, our customer, to take advantage of this resource, communicate your ideas and thoughts to the Bureau and become actively involved in the exciting challenges that lie ahead.

BOILER SAFETY SECTION

Mohammad Malek, P.E., Chief Boiler Inspector

The Section is charged with the administration and enforcement of Florida Statute 554, "The Boiler Safety Act." The Act regulates the construction, installation, maintenance, repair and inspection of boilers located in public assembly locations. In accordance with Rule Chapter 69A-51.010, Florida Administrative Code, the Department of Financial Services adopted ASME Code Section I, II, IV, V, VI, VII, IX and Controls and Safety Devices for Automatically Fired Boilers (CSD-1), 1998 edition and all 1999 amendments, addenda and interpretations. The Department also adopted the National Board Inspection Code (NBIC), 1998 edition and 1999 amendments, addenda and interpretations.

The Boiler Safety Program issues Certificates of Competency to qualified boiler inspectors as well as Certificates of Compliance to boilers meeting state requirements. Occasionally, a boiler accident may occur somewhere in the state. Depending on the severity, the Chief Boiler Inspector or one of his three deputies is immediately dispatched for further investigation.

Largely due to the close oversight of boilers, accidents are rare. Boilers are routinely inspected by the aforementioned deputy inspectors or by special inspectors employed by numerous authorized insurance agencies. Certificates of Compliance are valid for one year for a high-pressure boiler and two years for a low-pressure boiler.

During the past year, the Boiler Safety Program issued 147 Certificates of Competency to qualified inspectors. Meanwhile, deputy inspectors performed 3,851 boiler inspections and special inspectors performed 7,050 boiler inspections. This amounts to a total of 10,901 inspections performed in 2004.

In 2002, the Boiler Safety Program implemented a new database program called FOCUS. Use of the FOCUS database has significantly improved the quality of customer service and performance. As a result deputy inspectors performed 558 more inspections during 2004 than in 2003. This is an increase in productivity of 17.65%.

During 2004, 1,257 new boilers were installed and 1,541 boilers were scrapped. Inspectors reported 285 major code violations, which represent about 2.6% of the total number of inspections performed. Certificates were then issued upon correction of the code violations.

Boiler staff strives to provide information and effective assistance to the needs of their customers in an ongoing effort to improve the Program's performance. Feel free to contact the Boiler Safety Program at (850) 413-3722/3614 if you need an inspection for a new boiler or have an existing boiler with an expired certificate.



Heating Boiler Installed in Hotel



Vertical Boiler Installed in Dry Cleaner

PLANS REVIEW SECTION

Bill Fowler, Engineer IV

The Plans Review Section is tasked with the review of construction plans and documents for new construction, alterations and renovations on all state-owned and state-leased buildings for compliance with the Uniform Fire Safety Standards. Our objective is to identify code violations during the design phase. Achieving code compliance in the project design phase reduces construction time, field inspection time and has proven to be an effective value-engineering tool in reducing construction cost to state agencies. Life safety plans review includes a complete evaluation of any and all life safety support systems including such systems as automatic sprinkler systems, fire alarm systems, smoke detection and evacuation systems, and the adequacy of means of egress.

The Plans Review Section receives a wide variety of projects. Every year this Section reviews hundreds of office renovations that occur in state buildings throughout the state, as well as new construction projects that range from secure housing units submitted by the Department of Corrections to large business and assembly occupancies submitted by state universities. Some of our larger projects in 2004 included: the seven story Johnnie B. Byrd Alzheimer's Center at the University of South Florida, with a construction cost of \$20,700,000; the seven story Uptown Dorms at the University of Central Florida, with a construction cost of \$35,600,000; the four story School of Psychology building at Florida State University, with a construction cost of \$15,000,000; and the new three story Crosley Center at the University of South Florida, with a construction cost of \$15,900,000.

The Plans Review and Inspection Section implemented a new database developed by FOCUS Computer Management Consultants. This system will be used by both Plans Review and Inspections, and through its database of state buildings, will be able to provide the user with a building history of past projects and inspection reports. We are also looking into digital imaging systems, which will allow a design professional to submit CAD drawing for review and approval. Using this type of system, the Plans Review Section will be able to turn small projects around in 24 hours or less.

In 2004, the Plans Review Section reviewed 659 plans, which represents a 3% decrease over last year. In addition, this section reviewed 286 shop drawings and addendums.

INSPECTIONS SECTION

John Calpini, Section Manager

The Inspections Section is one of four code enforcement 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 through nine field offices in six regions throughout the State. The purpose of these inspections is to identify, advise and ensure correction of fire code violations and licensing renewal, in order to prevent or reduce the propagation of fire through code compliance. While the section has faultfinding responsibility, section personnel emphasize their advisory role to help create attitudes of compliance and fire safe environments for state employees while fostering a responsive customer service base.

Statutory Inspections are divided into two types: annual and recurring. Properties inspected include, but are not limited to, all state offices, state universities, state prisons, state hospitals, certain public schools, community colleges and charter schools. All High-Hazard Occupancies, as defined by Chapter 633, Florida Statutes, are required to be inspected annually while all other state properties are inspected annually, if resources are available, but at least once every two years as Recurring Inspections. In calendar year

2004, the section conducted over 13,855 Statutory Inspections, 1,430 Construction Surveys of new or renovated state properties and approximately 631 Regulatory Inspections.

Throughout the year, section personnel continued to be involved in approximately 2,974 miscellaneous activities ranging from fire prevention presentations, assistance to local government officials and other state agencies, code development and complaint and regulatory licensing investigations to alarm assistance, disaster training and a significant increase in mitigation duties due to four hurricanes.



State Fire Marshal Operational Regions

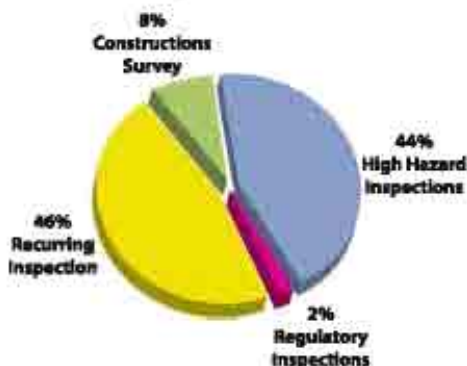
With the Division of State Fire Marshal's role as lead agency in ESF 4 & 9 (firefighting & search and rescue), staff from the Inspections Section, along with other personnel in the Division, performed in both administrative and field operation roles. When necessary, personnel from the section staffed the ESF 4 & 9 operations room at the State Emergency Operations Center in Tallahassee, while other personnel trained and staffed Rapid Impact Assessment Teams and search and rescue teams when deployed. Details start on page 47.

While section personnel inspected new and existing fire alarm systems and regulated facilities, magazines and construction mines, they also investigated complaints of these systems, as well as licensing infractions and numerous complaints of damage resulting from blasting throughout the state. When appropriate, results of certain system investigations were reported to the Department of Business of Professional Regulations for their review and administrative action while other results of certain licensing and blasting investigations were reported internally, through channels, to the department's legal division for final resolution. When notified, the Inspections Section continued to conduct follow-up inspections of fire incidents processed by personnel from our Bureau of Fire and Arson Investigations to determine associated damage from fires, regardless of disposition, which may have been caused or propagated by a code violation.

The Section continued to monitor the Florida Administrative Code, including regulations for uniform occupancies. These occupancies include, but are not limited to, hospitals, nursing homes, restaurants, public lodging establishments and childcare facilities. Specific rules are found in Chapter 69A of the Administrative Code. Personnel also continued to respond to calls for code interpretation and assistance while other personnel continued to participate with the Florida Building Commission and the administration of the Department's Loss Control and Safety Program.

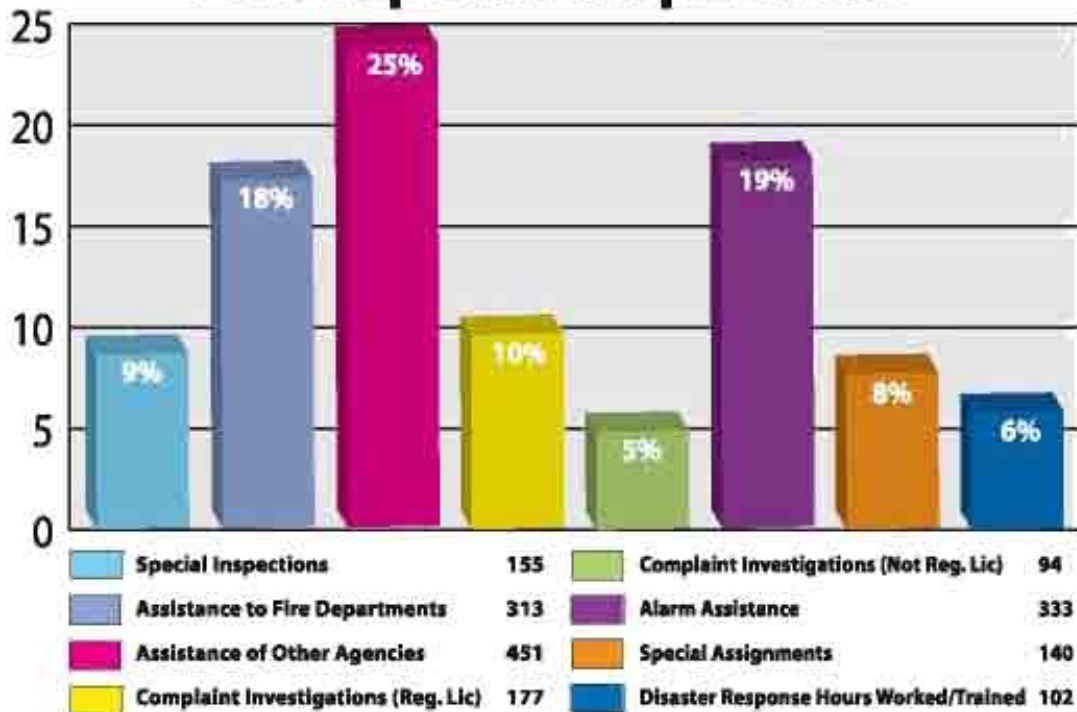
Finally, staff development in the section, continues to be emphasized. Maximum efficiency and responsiveness continues to be emphasized through technological operational program enhancements for scheduling, reporting, recording, invoicing, and the gathering and storing of related, critical, data and historical information integral to core responsibilities with a successful deployment of the Program in October.

2004 Regular Inspections



High Hazard Inspections	7,279
Regulatory Inspections	319
Recurring Inspection	7,700
Constructions Survey	1,411
Total	16,709

2004 Special Inspections



FIRE CODE VIOLATIONS



Division of State Fire Marshal Fire Protection Specialists, Eric Bryant of the North Region and Larry Gregory of the Northwest Region observing fire code violations.

REGULATORY LICENSING SECTION

Terry Hawkins, Safety Program Manager

Chapters 552, 633 and 791, Florida Statutes, authorize the State Fire Marshal to license and regulate the Fire Equipment Industry (Portable Extinguishers and Preengineered 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).

The Regulatory Licensing Section is dedicated to hearing directly from customers and responding to customer needs. The Section continues to work towards identifying and implementing work processes to improve the services provided to our customers. Through the efforts of the Bureau and Division, we continue to seek out new technology to improve operational efficiency.

Staff members continue to improve individually and as a unit resulting in providing better customer service. The support services provided is the result of a dedicated group of individuals whose internal tasks are performed effectively and efficiently.

The Regulatory Licensing System (RLS) supports the licensing function for the Bureau. This system continues to be enhanced and improved, expanding our ability to electronically maintain data to better serve our customers. Current enhancements include the development and addition of the Construction Mining Industry licensing to RLS.

The Regulatory Licensing Section is the first line contact for individuals who wish to gain the certification and licensure necessary to:

- Install, service and maintain portable fire extinguishers
- Install, service and maintain preengineered fire systems
- Install, service and maintain engineered fire protection systems
- Manufacture, distribute, purchase, use and store explosives
- Manufacture, distribute and sell at retail and wholesale
State Fire Marshal approved Sparklers
- Mine road base material for the building of roads statewide.

Regulation & Licensing

Construction Mining Permits

Section 552.30, Florida Statutes
10-Year Permits, Variable Expiration Dates
Subject to Annual Inspection of Records
and Mine Site

License Type:	2004
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Construction Mining Permits Issued:	99
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Explosives Industry

Section 552.092, Florida Statutes
Annual Expiration Date: September 30
Subject to Annual Inspection of Records/
Storage Facilities

License/Permit Type:	2004
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Manufacturer-Distributor of Explosives	22
Dealer of Explosives	7
User of Explosives	169
Blaster Permits	292
Total:	491

Fire Equipment Industry

Section 633.061, Florida Statutes
Portable Extinguishers and
Preengineered Systems Biennial Expiration
Subject to Annual Inspection of Equipment
and Records

License/Permit Type	2004
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Class A Fire Equipment Dealer	135
Class B Fire Equipment Dealer	44
Class C Fire Equipment Dealer	144
Class D Fire Equipment Dealer	204
Portable Extinguisher Permits	1,887
Preengineered System Permits	822
*Total	3,236

**Total figures represent New Licenses/
Permits only during 2004*

Fire Protection System Contractors

Section 633.534, Florida Statutes
Engineered Fire Protection Systems
Biennial Expiration

License/Permit Type	2004
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Fire Protection System Contractor I	159
Fire Protection System Contractor II	360
Fire Protection System Contractor III	28
Fire Protection System Contractor IV	7
Fire Protection System Contractor V	218
Inactive Contractors	12
*Total	784

**Total figures represent New Contractors
only during 2004*

Sparkler Industry

Chapter 791, Florida Statutes
Annual Expiration: January 31

Registration Type	2004
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Manufacturer of Sparklers	1
Distributor of Sparklers	11
Wholesaler of Sparklers	124
Retailer of Sparklers	4,499
Seasonal Retailer of Sparklers	1,702
Total	6,337


Sparkler Testing

Chapter 791, Florida Statutes
Annual Expiration: January 31

Product approval:	2004
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Products Submitted	155
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Regulatory Licensing Staff, in conjunction with the Special Operations Section of the Bureau of Fire and Arson, receive and process products from licensed wholesalers and distributors of sparkler products nationwide. Staff jointly document and maintain a database of the products submitted, review



chemical analysis reports, weigh and perform a functional test on each item to ensure compliance with Chapter 791, Florida Statutes. 133 were approved during the 2004 product testing. The approved list was updated and is comprised of 1,654 approved products and is available on the Division's website at www.fldfs.com/SFM.

In addition to the licenses/permits issued, as reflected on the previous page, section staff maintained the database of all current licenses, permits, certificates and registrations during 2004 for all licensed entities, providing customers with maintenance of insurance records, producing photo identification cards for 2,709 fire equipment permits and 1,372 inspectors employed by Fire Protection System Contractors I and II.

The Regulatory Licensing Section additionally receives and processes continuing education courses for the Fire Equipment Industry and the Fire Protection System Industry, tracking course approvals and those courses attended by industry members.

The Section provides technical staff support to the Florida Fire Safety Board. This Board, appointed by Chief Financial Officer Tom Gallagher, 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 2004, they reviewed 120 courses and recommended the approval of 119 continuing education courses. Continuing education coursework for both industries is available by mail or may be accessed on the Division's website at www.fldfs.com/SFM.

Additional efforts to streamline processes include the publishing of licensed Fire Equipment Dealers and Fire Protection System Contractors on the Division website which can be found at www.fldfs.com/SFM. Industry application forms and licensing requirements can be accessed and printed from this location. Licensing packets remain available by making telephone contact with the staff at the Regulatory Licensing Section or via e-mail at fireprevention@fldfs.com.

The Section continued its ongoing role in developing and monitoring of the Florida Administrative Code related to the industries regulated. The Section works jointly with the Inspection Section personnel to ensure the proper inspection and regulation of the licensed entities. When appropriate, certain investigations and files relative to licensure are routed for review and administrative action by the Division.

Consumers and others who have questions about professional licenses and registrations issued by the Regulatory Licensing Section may contact the Section to inquire about the licensing process or for verification of licensure.

Section staff are trained and qualified to process applications for all five industries, providing applicants with criteria, materials and directions to successfully complete the license/registration application or renewal process. Technology enables Section staff to experience a 24-hour turnaround in most instances in the licensing processes.

Terry Hawkins, Safety Program Manager, coordinates the activities of the Regulatory Licensing Section. The Section is staffed with five personnel supporting the activities surrounding the five industries statewide.



BUREAU OF FIRE & ARSON INVESTIGATIONS



*Bruce Ashley
Bureau Chief JPG*

The Bureau of Fire and Arson Investigations is the law enforcement branch of the Division of State Fire Marshal led by Chief Bruce Ashley. The sworn law enforcement and non-sworn personnel in the Bureau perform functions in the criminal justice system. The core mission of these dedicated personnel in the Bureau includes detection, investigation, apprehension and prosecution of arson offenders, arson related insurance fraud and other similar crimes. The Bureau also strives to enhance investigation and prosecution and deter such crimes through education and training.

The Bureau's general headquarters (GHQ) is located in Tallahassee and is staffed statewide by a criminal justice agency structure of 136 employees, including 80 sworn law enforcement detectives, 14 law enforcement lieutenants, 7 regional law enforcement captains, 1 professional standards captain, 2 law enforcement majors, 9 crime intelligence analysts and 18 civilian support personnel.

The Bureau is divided into seven regions statewide to respond and provide investigative support to fire, police, citizens and visitors of Florida. All seven regions are under the command of Major Steve Spradley (Operations/Investigations) and Major Ron McCordle (Special Operations).

Chief Bruce Ashley and other GHQ staff may be reached at (850) 413-3173.

Fire and law enforcement agencies requesting assistance for fire investigations and Explosive Ordnance Disposal (EOD) may contact their local law enforcement dispatch center. Fire and law enforcement agencies, citizens and visitors may also request investigations by the Bureau's detectives by contacting the Bureau directly through any of the State Fire Marshal regional offices during work hours or the 24-hour toll free line at 1-800-NET FIRE (638-3473).

Requests for investigative assistance can be made through the below listed State Law Enforcement Radio Systems (SLERS) Communications Centers staffed by the Florida Highway Patrol.

Dispatch Centers:

Lake Worth: (561) 357-6366
(561) 357-6667

Southeast Florida area

Miami: (305) 470-2500

Southeast/Miami Florida area

Orlando: (407) 737-2200
(407) 249-6541

Central Florida area

Tampa: (813) 631-4020
Bartow: (863) 499-2303

South Central Florida area

Tallahassee: (850) 487-4283
(850) 487-9590
(850) 487-9635

North and Northeast Florida areas

Ft. Myers: (239) 938-1800
(239) 938-1813

Southwest Florida area

Jacksonville: (904) 301-3700

Northeast Florida area

Or by calling 1-800-NET-FIRE

Bureau of Fire and Arson Investigations Field Offices (8am-5pm):

Pensacola	(850) 453-7803	West Palm	(561) 640-6704
Ft. Walton Beach	(850) 833-9014	Tallahassee	(850) 413-3900
Panama City	(850) 747-5888	Jacksonville	(904) 798-5804
Ocala	(352) 369-2801	Daytona	(386) 323-0904
Plantation	(954) 321-3704	Orlando	(407) 893-3654
Tampa	(813) 890-1904	Bartow	(863) 519-1080
Ft. Myers	(239) 278-7525		

Qualifications and Training:

The Bureau's sworn law enforcement personnel are highly trained and qualified in the field of arson detection. Their duties regularly include: the on-scene investigative processing of fire scenes, determining the origin and cause of fires and explosions, rendering safe explosive devices, conducting latent investigations, clearing cases by making arrests, staying abreast of emerging legal and law enforcement issues relative to interrogations and arrests, responding to domestic security and other public safety threats, executing searches and seizures, and providing expert testimony in judicial proceedings. In-service training programs are provided to personnel on areas such as the identification, collection and preservation of evidence, fire dynamics, interviewing techniques, post blast investigations, arson for profit and various other criminal justice and legal aspects associated with the arson investigative process.

Sworn personnel receive "high liability" law enforcement training that covers some of the more dangerous aspects of their work duties. Firearms training, defensive tactics instruction, weapons of mass destruction, domestic security/terrorism, first responder and traffic stop training are all required to keep their basic police skills proficient. In addition, training on specialized topics such as fire scene reconstruction, crime mapping, statement analysis, defensive driving and skid loader operation is also regularly provided to enhance their expertise in the field of arson investigations.



As mandated by Chapter 943, Florida Statutes, sworn personnel of the Bureau must also receive periodic training and education approved by the Criminal Justice Standards and Training Commission (CJSTC). This training ensures that each investigator maintains their police certification and proficiency in basic law enforcement tasks. Such training encompasses modules dealing with weapons of mass destruction, juvenile sexual offender investigations, domestic violence, crimes against the elderly and disabled, human diversity awareness, discriminatory profiling and professional traffic stops.

Special Operations

Major J. Ronald McCordle, located at headquarters in Tallahassee, supervises the Special Operations Section. This section oversees BFAI's operations and protocols of four highly trained and well-equipped Hazardous Device / Explosive Ordnance Disposal units, six Accelerant Detection K-9 teams, eight Computer Voice Stress Analyzer (CVSA) operators, the State Fire Marshal's Honor Guard, support to Emergency Support Functions (ESF's) 16, 4, and 9 training, crime analysis and intelligence, regional domestic security funding, research and development, wireless communications, logistics, public information, inventory preparation and the monitoring of budget activities.

Hazardous Device / Explosive Ordnance Unit

The Bureau of Fire & Arson Investigations (BFAI) Explosive Ordnance Device (EOD) unit is made up of seven certified bomb technicians. Each team is equipped to provide experienced service for the safe resolution of both criminal and non-criminal incidents involving incendiaries or explosives. In addition to handling the normal core duties of fire and arson investigations, Bomb Squad members are capable of safely handling, transporting, disposing of, and investigating almost any explosive or incendiary incident.



The primary function of the Bureau of Fire and Arson Investigations is to investigate the cause and origin of fires. The Bureau also investigates explosions since they are actually very rapid burning fires (an accelerated combustion process). Bombs, including both explosive and incendiary devices, have been used as a tool of violent criminals in terrorist attacks and threats, drug-related attacks, domestic violence and vengeance incidents. Due to its investigative role in fire investigations, all BFAI sworn personnel are trained in handling the aftermath of most typical explosive incidents. EOD team members are comprised of Bureau personnel who have completed extensive hazardous device training provided by the Department of Justice and are certified by the Federal Bureau of Investigation (FBI) as bomb technicians.

The goal of the Bureau is to establish a framework of statewide, multi-jurisdictional Explosive Ordnance Disposal Units (EOD) to meet this challenge. All of the Bureau's EOD employees are participants in each regional domestic security task force. These units, with their sophisticated equipment, enhance existing preventive/investigative units as well as provide coverage to many local jurisdictions presently lacking such protective coverage.

The existing EOD teams work through mutual aid agreements with local law enforcement and fire service authorities. The teams respond to any type of terrorist act (i.e. bomb threats, suspicious packages, drug labs and fields) involving explosives or incendiary devices. They investigate the incident from the initial call to the post blast investigation. Discovering, collecting and submitting evidence to our laboratory and effecting arrests are tasks routinely performed by Bomb Squad members. During this calendar year the Bureau's EOD members responded to 232 calls concerning suspicious packages and completed safe resolution actions involving 140 explosives.

Federal, state and local law enforcement agencies have relied upon the Bureau's EOD units to provide dignitary security, threat assessment and response. President Bush, Vice President Cheney and numerous other high level dignitaries traveled through Florida multiple times. During the calendar year members of the Bureau's EOD units provided security services to these dignitaries and events on 70 occasions.

The EOD teams frequently satisfy requests to conduct training classes for law enforcement academies, local agency in-service training and civilian personnel in the areas of basic explosive and incendiary device recognition, bomb threats, physical security and post blast investigations. The Bureau's EOD Units conducted 24 training presentations this year and trained over 700 state and local agency and civilian personnel.



Accelerant Detection Canine Unit

The Bureau of Fire & Arson Investigations implemented an Accelerant Detection K-9 program in 1998 with financial and technical support and assistance from the State Farm Insurance Company. The support and assistance by State Farm funds scholarships for training fees, costs of canine acquisitions, full room and board during training, chemist certification of canines and all transportation expenses related to schooling the dogs and their handlers in Alford, Maine. This mutually beneficial partnership was established in an effort to enhance the investigators' ability to identify possible 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 member being a trained accelerant detection dog and the other a Law Enforcement Detective/Criminal Investigator II. Currently, six Accelerant Detection K-9 teams are placed in strategic areas in the state:

1. Northwest - Panama City



2. North - Tallahassee



3. North-central - Orlando



4. South-central - Tampa



5. Southeast - West Palm Beach



The Bureau's K-9 teams investigated 243 fire scenes this fiscal year.

Computer Voice Stress Analysis

The Bureau continues to enhance investigative results and clearance rates through the use of Computer Voice Stress Analysis. The Bureau has eight sworn detectives that are certified CVSA operators. The use of this technology has proven a valuable tool in criminal investigations. CVSA analysis allows the criminal investigator to both eliminate persons as possible suspects and implicate persons as possible suspects. During 2004 the Bureau successfully used CVSA in over 100 criminal investigations. Over one third of these analyses resulted in confession and/or criminal charges.

Crime Intelligence Analyst Unit

Since Bureau detectives are sworn law enforcement officers conducting criminal investigations, the availability of criminal intelligence information is essential for case clearances. Developed in 1994, the Crime Intelligence Analyst Unit (CIA) is comprised of nine analysts located throughout the state. These crime intelligence analysts provide direct support to the Bureau's detectives and investigations by providing intelligence information and analysis which is often time consuming and tedious to locate. They allow the detectives time to pursue crime scene investigation and latent follow-up necessary in complex criminal investigations. The crime analysts provide crucial information in a time critical fashion. This is necessary for officer safety and to allow the expeditious apprehension of suspected criminals. The analysts also provide a valuable service to the Bureau through trend analysis of criminal information and intelligence that allows for the detection and prevention of arson and arson-related criminal activities. In a recent comprehensive assessment of the Bureau by the U.S. Fire Administration, the CIA unit was described as one "that should serve as a model for other jurisdictions (state and local) to emulate."

Analysts receive mission-enhancing education by attending analytical training classes from institutes such as the Federal Law Enforcement Training Center, Anacapa Sciences, the Florida Department of Law Enforcement and the International Association of Law Enforcement Crime Intelligence Analysts. Their training consists of crime mapping, link analysis, statement analysis and comparisons, charting and accessing other law enforcement databases. Analysts also receive similar classroom training to that of the law enforcement detectives to ensure familiarity with all aspects of investigative processes.

The Bureau analysts are now undergoing the certification process through the Florida Law Enforcement Analyst Academy. To date, one crime analyst has successfully completed this six-month certification and other analysts will be put through the academy as classes are available.

Forensic Investigative Support Team and Statewide Arson Task Forces

Since the Bureau began, the task team concept was recognized as the most efficient method of solving large magnitude fire/explosion scenes. Organization of support teams has occurred in the past on an "as needed" basis by utilizing investigators that were stationed in close proximity and to only process the scene. In October of 2001, the need was demonstrated to provide and train a specialized team to provide a complete and thorough investigation of these fire/explosive scenes. Thus, the Bureau established the Forensics Investigations Support Team (FIST).

The primary objective of FIST is the prevention of incendiary fires by effective investigation and the prosecution of those who set fires, including serial arsonists, thus serving as a strong deterrent to others. The secondary objective is to provide an immediate and sustained statewide response to such situations where state-of-the-art equipment and the most qualified personnel are needed to assist the citizens and visitors of Florida at local and county levels, as well as other state agencies in minimizing the loss of life and property.



During the 2004 calendar year, FIST members attended their second team training on August 2-6, 2004, at the Florida State Fire College. Team members received training on several topics. Some of these were: ICS, Fire Scene Safety, Fire Dynamics, Advanced Digital Photography, Laser Crime Scene Mapping and New Holland/Bobcat Crossover Training.

In November 2004, team members attended Surveillance Operations Training at the Southeastern Public Safety Institute through the Multi-Jurisdictional Counter Drug Task Force.

During 2004, FIST was activated and responded to two callouts. Those activations are highlighted below.

Starke, Bradford County (Melrose Market Place) 04/29/2004 – 04/30/2004

To assist the Northeast Region, FIST responded to a commercial fire in the City of Starke. The steel framed building was used as a mattress-refurbishing manufacturer during the time that the fire occurred. The fire was considered a total loss with an estimated loss valued at \$1,000,000. Five team members responded to the scene along with the bobcat from the Northeast Region. The entire fire scene investigation consisted of two (days) operational periods. The investigation concluded on



the afternoon of Friday, 04/30/04. The team determined that the fire was intentionally set based on physical evidence and debris samples that were submitted for laboratory analysis. The Northeast Region is presently conducting a criminal investigation in cooperation with Federal ATF in an effort to secure federal indictments.

Titusville, Brevard County (The Party Place) 05/12/2004 – 05/14/2004

The FIST was activated for a downtown business fire in the City of Titusville to assist the North Central Region. The concrete block store was utilized for the purpose of selling products used for various party occasions. The fire was considered a total loss with an estimated loss valued at \$750,000. Seven team members responded to the scene along with the bobcat from the North Central Region. The entire fire scene investigation consisted of two (days) operational periods. The investigation concluded on the evening of Thursday, 05/13/04. The team determined that the fire was intentionally set resulting from physical evidence found at the scene and debris samples. The investigation is continuing and leads have been received warranting additional follow-up.



Team Pictorials:



Field Operations

Major Steve Spradley is the Commander of Field Operations that is comprised of seven geographic regions. Major Spradley is headquartered in Tallahassee and oversees the Bureau's response to all requests for fire and explosive investigations. Additionally, Major Spradley has oversight of all field responses for EOD, the Forensic Investigative Support Team, public education and juvenile fire setter presentations, and the Accelerant Detection Canine Teams. He may be contacted at (850) 413-3666.

North Region

Captain Jeff Merritt coordinates investigative activities of the North Region, assisted by Lieutenant Joseph Steadman. Seven law enforcement detectives handle this 13-county region.

The field office is located in **Tallahassee**
(850) 413-3900 SC 293-3900

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

Specialized Units: EOD, Accelerant Detection Canine Team, Computer Voice Stress Analyser (CVSA) and a Crime Intelligence Analyst



Northwest Region

Activities of the Northwest Region are coordinated by Captain Scott Showalter, Lieutenant Kevin Fiedor (Pensacola) and Lieutenant Les Nelson (Panama City). The region consists of eight counties with the main field office located in **Ft. Walton Beach**. Ten law enforcement detectives have primary county assignments to ensure quick response to each county.

Ft. Walton Beach Office (850) 833-9014 SC 674-9014
Pensacola Office (850) 453-7803 SC 697-7803
Panama City Office (850) 747-5888



Counties of assignment: Escambia, Santa Rosa, Okaloosa, Walton, Bay, Holmes, Washington and Gulf

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

Northeast Region

The Northeast Region is supervised by Captain Richard Walker and consists of 15 counties. The region is divided into two offices, Jacksonville and Ocala. The Jacksonville Field Office is also under the supervision of Lieutenant Phil Roman. The **Jacksonville** office is handled by eight law enforcement detectives and consists of an area of eight counties.



Jacksonville Office (904) 798-5804 SC 826-5804

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

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

The second office within the Northeast Region is located in **Ocala** and is supervised by Lieutenant Bernie Kleinschmidt. The Ocala office covers a territory of seven counties handled by four law enforcement detectives. This field office is located on the campus grounds of the Florida State Fire College.

Ocala Office (352) 369-2801 SC 667-2801

Counties of assignments: Alachua, Dixie, Gilchrist, Levy, Marion, Union and Columbia

Specialized Units: Computer Voice Stress Analyzer (CVSA) and FIST Team response platform

Central Region

Captain John Corbett, Lieutenant Norman Harris and Lieutenant Gloria Whitehurst supervise the Central Region's activities. Lieutenant Norman Harris commands the Orlando squad of detectives and Lieutenant Whitehurst leads the Daytona contingent. The **Orlando** squad covers a six-county territory and is supported by nine law enforcement detectives.

Orlando Office: (407) 893-3654 SC 342-3654

Counties of assignments: Lake, Orange and Osceola

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

The **Daytona Beach** Field Office is supported by four law enforcement detectives.

Daytona Beach Office: (386) 323-0904 SC 380-0904

Counties of assignments: Brevard, Volusia and Seminole

Specialized units: Computer Voice Stress Analyzer (CVSA)

South Central Region

The South Central Region is supervised by Captain Mark Sauls and consists of two field offices and 12 counties. The **Tampa** Office activities are coordinated by Lieutenant Rex Hinkle, with assistance by eight law enforcement detectives. The Tampa office encompasses a eight-county territory.

Tampa Office: (813) 890-1904 SC 514-4904

Counties of assignments: Citrus, Hernando, Hillsborough, Manatee, Pasco, Pinellas, Sarasota and Sumter

Northcentral Region



Southcentral Region



Specialized Units: EOD, Accelerant Detection Canine Team, Computer Voice Stress Analyzer (CVSA) and a Crime Intelligence Analyst

Lieutenant Brandon Ball supervises the **Bartow** field office. Six detectives are assigned to this area, which covers four counties.

Bartow Office: (863) 519-1080 SC 515-8893

Counties of assignments: Desoto, Hardee, Highlands and Polk

Southwest Region

The office for the Southwest Region is located in **Ft. Myers** and encompasses a five-county territory. Captain Shirley Garrison and Lieutenant Tammy White supervise the activities for this region. Seven law enforcement detectives are located throughout this five-county area for assistance to local authorities.

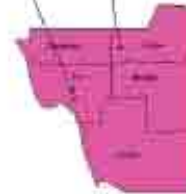
Ft. Myers Office (239) 278-7525

Counties of assignments: Charlotte, Collier, Glades, Hendry and Lee

Specialized Units: EOD, Computerized Voice Stress Analyzer (CVSA)

Southwest Region

Ft. Myers



Southeast Region

The eight-county territory of the Southeast Region is divided in two areas, with field offices located in Plantation and West Palm Beach. The region is supervised by Captain Ross Holt and consists of eight counties.

The **Plantation** Field Office is under the supervision of Lieutenant Joseph Schwartz and consists of nine law enforcement detectives and one additional detective assigned to the Florida Keys.

Southeast Region

West Palm Beach

Plantation

Miami

Keys



Plantation Office: (954) 321-3704 SC 423-3704

Counties of assignments: Broward, Dade and Monroe

Specialized Units: Accelerant Detection Canine Team, Computer Voice stress Analyzer (CVSA) and a Crime Intelligence Analyst

The **West Palm Beach** Office has four law enforcement detectives under the direction of Lieutenant Richard "Skeet" Schuler. Also, staffed in the West Palm Beach Office is the Bureau's most senior investigator and Detective of the Year, Gary Rood.

West Palm Beach Office: (561) 640-6704 SC 256-6704

Counties of assignments: Indian River, Martin, Okeechobee, Palm Beach and St. Lucie

Bureau Accomplishments

Arson and arson-related crimes are most frequently committed for motives including vandalism, revenge, profit, an abnormal fixation on fire or for the concealment of a companion crime such as theft, burglary, sexual battery, murder or assault and other violent crimes. In the year 2004 the Bureau accomplished the following:

- Latent investigative hours for all cases in 2004 increased by 58 percent
- Detectives' caseload ratio for investigation of incendiary fires increased three percent, representing 48 percent of the investigative caseload for 2004
- The emphasis on working incendiary fires and the increase in latent investigative hours has resulted in 683 defendants arrested and 411 arson cases cleared by arrests, a 20 percent arson clearance rate
- Increased the number of Computer Voice Stress Analyzers (CVSA) by four with additional training of six operators
- The Bureau received a Domestic Security grant for over \$1,000,000 to enhance the Bureau's Explosive Ordnance Disposal unit's ability to respond to terrorism events statewide.

Education and Training

The Bureau of Fire and Arson Investigations and its employees are recognized both nationally and throughout Florida as leaders in the investigation of cause and origin of fire, arson and related crimes. Education and training provided by Bureau members to a variety of professionals and citizens is a key component in detecting and preventing arson. As a result, the Bureau's personnel are continually called upon to provide expert training and education to a variety of law enforcement, fire, government and insurance industry professionals. In addition, Bureau employees spend large numbers of hours providing prevention education to adults and children in communities throughout Florida. Members of the Bureau serve on a variety of state and national boards, commissions, associations and professional organizations. All of these efforts are force multipliers and result in enhanced prevention, detection, and investigation of arson and arson related crimes.

During 2004, employees of the bureau provided the following training or public safety education:

- 90 Juvenile Firesetter Presentations
- 36 Accelerant Detection K-9 Presentations
- 42 Explosive Ordnance Disposal Public Safety Programs
- 24 Fire Safety Presentations to School
- 12 Fire and Arson Investigations Training Presentations to 334 students.

Bureau employees are members or participants with the following professional organizations (not all inclusive):

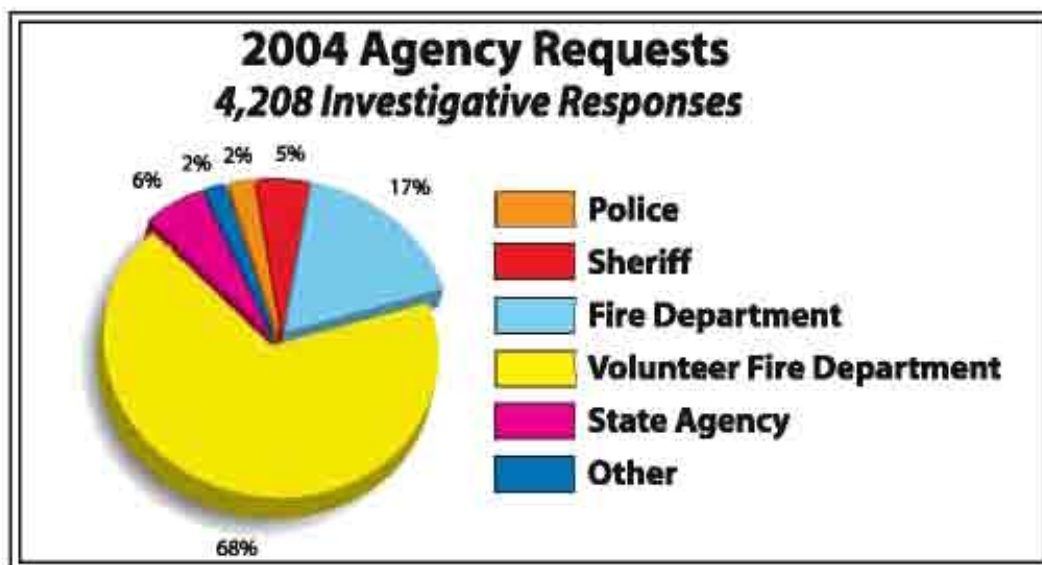
Florida Advisory Committee for Arson Prevention (FACAP)
International Association of Arson Investigators (IAAI)
National Association of Fire Investigators (NAFI)
International Association of Bomb Technicians and Investigators (IABTI)
International Association of Law Enforcement Intelligence Analyst (IALEIA)
Regional Organized Crime Information Center (ROCIC)
Regional Domestic Security Task Forces (RDSTF)
International Association of Crime Analyst (IACA)
Florida Intelligence Unit (FIU)
International Association of Police Chief's
Florida Association of Police Chief's
Florida Fire Marshal and Inspector's Association
Florida Sheriff's Association
Florida Arson Seminar
Fire Findings

Florida Emergency Preparedness/Response/Mutual Aid

The Bureau is a member and participant in Florida's emergency response/mutual aid plan. During the past year Florida was struck by an unprecedented four major hurricanes: Charley, Frances, Ivan and Jeanne. The Bureau's law enforcement and support staff played critical roles in responding to devastated areas of Florida, providing assistance to citizens and visitors. The Bureau's law enforcement personnel possess capabilities and equipment not found in many other law enforcement agencies. Due to this capability and equipment, the Bureau's personnel spent weeks during September, October and November 2004 providing coordinated search and rescue and law enforcement support to local agencies and communities. The Bureau and its personnel sworn and non-sworn have continued to assist Florida's citizens and industry members with storm and insurance damage related claims and issues. A number of the Bureau's employees have received recognition for their efforts and several received the Davis Productivity Award. Details start on page 47.

Bureau Statistics

During the calendar year 2004, the Bureau of Fire and Arson Investigations received 4,208 new requests for investigative assistance from fire departments, law enforcement, federal and state agencies, individuals and insurance companies.

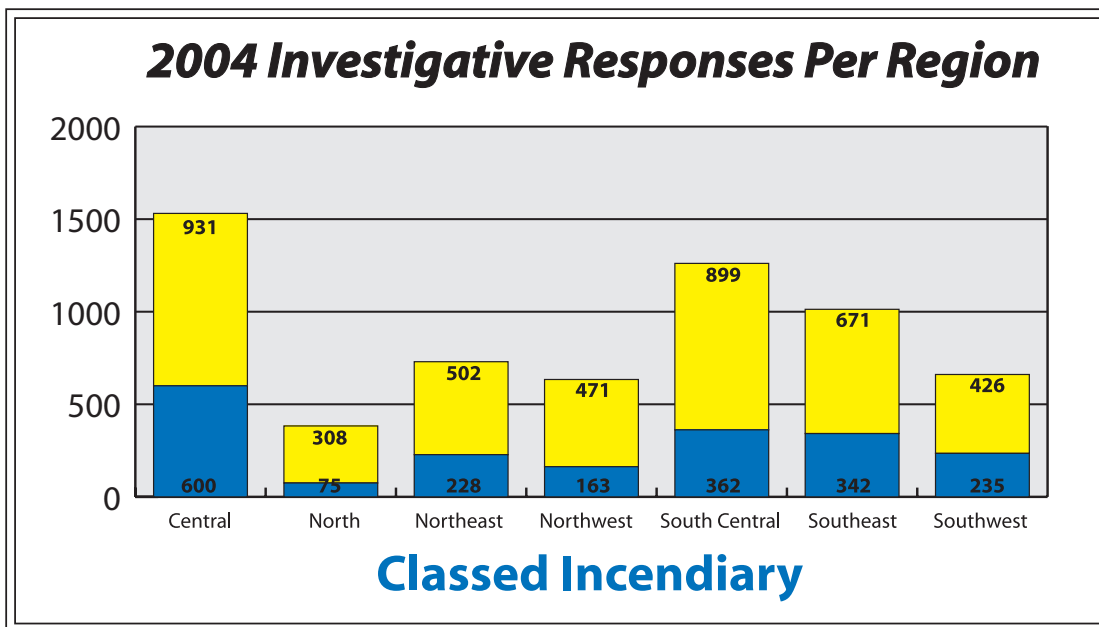


Investigative responses are classed according to type of incident:

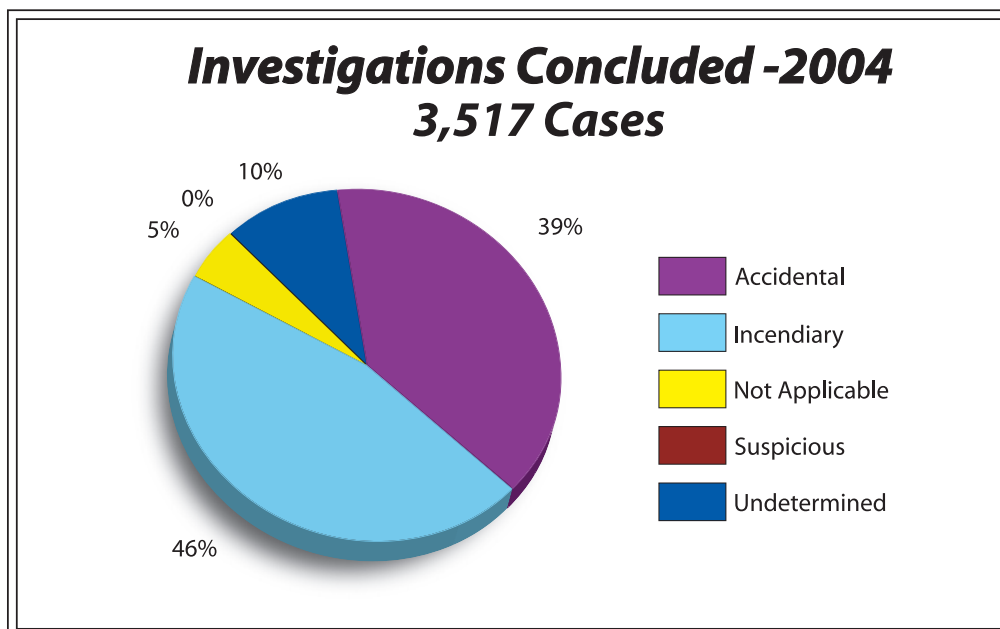
Attempted Explosion	7	Miscellaneous - Fireworks	3
Attempted Fire	28	Miscellaneous - EOD	108
Explosion	47	Miscellaneous - Other	3
Fire	3,903	Miscellaneous/Disaster/Fire	3

The Bureau classifies their investigative findings as – ***Incendiary, Accidental, Undetermined or Not Applicable.*** **Incendiary** is defined as “a deliberately set fire.” Not applicable findings are used for an investigation that involves a non-fire related incident, such as outstanding warrants and other state referrals for assistance.

The Bureau conducted investigations on properties estimated at a loss of well over \$177 million. An estimated loss of over \$50 million was contributed to the crime of arson, which also contributed to 99 injuries and fatalities.



In 2004, the Bureau reported the following findings on investigations concluded during the calendar year.



Arrests

Sworn personnel of the Bureau made arrests in 609 investigative cases resulting in the arrest of 683 defendants. This is based on the arrest date during calendar year 2004 and often includes on-going investigations from previous years. Of the 683 defendants, 454 were charged with arson and arson-related crimes. Charges against the perpetrator(s) includes: Arson, Murder/Arson, Burning to Defraud the Insurer, False/Fraud Insurance Claim, Criminal Mischief, Possess/Place/Discharge Destructive Device and other related crimes.

In addition to arrests made in association with incendiary cases, the sworn investigator will encounter situations that may result in additional arrests that are often not associated with arson-related crimes (i.e. burglary, fraud, assaults, probation violations, drugs/drug paraphernalia and wanted persons). The Bureau detectives arrested 229 defendants for these types of criminal activities.

Arson Penalties

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

A person who perpetrates any arson that results in any bodily harm to a firefighter or any other person, regardless of intent or lack of intent to cause such harm, is also guilty of a misdemeanor of the first degree, punishable by a definite term of imprisonment not exceeding one year and a monetary fine up to \$1,000.

A person who perpetrates any arson that results in great bodily harm, permanent disability, or permanent disfigurement to a firefighter or any other person, regardless of intent or lack of intent to cause such harm, is guilty of a felony of the second degree, punishable by a term of imprisonment not exceeding 15 years and a monetary fine up to \$10,000.





BUREAU OF FORENSIC FIRE AND EXPLOSIVES ANALYSIS

The Bureau of Forensic Fire and Explosives Analysis is the smallest and newest Bureau of the Division of State Fire Marshal. Created as a Bureau in 2003, it previously existed as a section of either the Division Office, the Bureau of Fire and Arson Investigations or the Bureau of Fire Standards and Training. It is one of only three laboratories of its type in the nation. Only the States of Texas and Ohio also have forensic laboratories housed within their State Fire Marshal Divisions to provide specialized forensic analysis of fire and/or explosives related evidence. Over the past years, the Bureau has been fortunate to receive funding to maintain and upgrade its analytical instrumentation. With no increase in staff size since 1999, the Bureau has been able to use the advantages of state-of-the-art instrumentation to process an over 400% increase in items submitted since then. Its staff have a can-do attitude and have had to multi-task in order to get this significant increase in workload out the door on an average of less than ten days.



Carl Chasteen
Bureau Chief



Bureau of Forensic Fire and Explosives Analysis

Even with ever increasing workloads, the staff have found the time to contribute both professionally and in the community. Members of the staff have volunteered as science fair judges at local schools, with the Nature Conservancy and their churches. On the professional side, Bureau personnel contribute to the development of standards in fire debris and explosives analysis through the Technical Working Group on Fire and Explosives, organized by the National Center for Forensic Sciences and the National Institutes of Justice. Bureau Chief,

Carl Chasteen, served as Chair of this national group from 1998 through 2004. Mr. Chasteen is also a member of the American Society for Testing and Materials, serving on the E30 (Criminalistics) subcommittee. Mr. Chasteen also serves as chair of the Forensic Science Committee of the International Association of Arson Investigators. Bureau employees maintain memberships in other professional organizations including: The American Society of Crime Laboratory Directors, The International Association of Arson Investigators, The International Association for Property and Evidence, The International Association of Bomb Technicians and Investigators, The Florida Advisory Committee on Arson Prevention, the American Chemical Society and the Law Enforcement and Emergency Services Video Association.

Half of the Bureau's employees also work on teams from the Division that staff Emergency Support Functions (ESF) 4 firefighting and 9 (search and rescue) during activations of the State Emergency Operations Center (SEOC). While there they assist in various capacities with coordination of resources related to fire fighting and search and rescue. In 2004, the five members of the Bureau staff spent 483 hours working at the SEOC responding to hurricanes

Charley, Frances, Ivan and Jeanne. While away from the laboratory, the remaining employees put forth additional effort to ensure that our regular customer's needs were met. For this, the Bureau is scheduled to receive a Davis Productivity Award plaque in 2005.

Perhaps the Bureau's greatest feelings of accomplishment comes from its almost continual involvement with the education and training of new scientists. Every year the Bureau will host at least

one (and often two or three) intern(s). These interns are students from universities who seek practical experience and training in fire debris analysis and the instrumentation used. Most are required to complete a structured internship of over 400 hours in order to graduate. The Bureau has hosted interns from Florida State University, Florida Agricultural and Mechanical University, The University of Central Florida and from as far away as the University of Eastern Kentucky. Some have gone on to careers with Fortune 500 companies and others have continued in school working on graduate degrees in science and law.



Analyst Ryan Bennett and Intern Ben Garrison

Customer service has always been a key goal of the Bureau. This is reflected in the dedication of employees to the analyses of submitted work as accurately and quickly as scientifically possible. Bureau employees continually work on other projects to improve service for customers. The Crime Laboratory Technician maintains evidence and coordinates long term storage of evidence for BFAI investigators. Personnel have presented lectures and training at the Fire College, in seminars and in symposia. On occasion, a question will be raised that will require the design and execution of a specific experiment in order to get an answer. Bureau personnel conduct these experiments in-house and in the field. This includes experimental houseburns where temperatures, materials and fire dynamics can be tested and observed. The facility is also equipped with a state-of-the-art training room where various media are available for presentations. The Bureau maintains a library where numerous references related to chemistry, forensic science, criminal/fire investigation and photography are housed. It is available for use by employees as well as the investigators they serve.

The year 2004 saw a significant increase in the number of forensic cases submitted to the Bureau: 2,160 cases in 2004 versus 1,954 in 2003. The Bureau provides forensic analysis of fire debris to identify ignitable liquids used as accelerants in arson fires; chemical reaction bombs, explosives and post-explosion residues; and chemicals recovered from clandestine laboratories. In addition, it provides chemical enhancement of latent fingerprints for items from fire or explosions. In calendar year 2004, the Bureau received 4,273 forensic samples for analysis. In addition, an almost equal number of quality assurance samples were tested along with the forensic samples to ensure the accuracy of the analyses. For fire debris analysis,

the Bureau uses gas chromatography with both Flame Ionization and Mass Spectral detection. The analysts can extract and identify minute quantities of ignitable liquids from fire scene evidence. These range from methyl alcohol through deteriorated diesel fuel. For explosives analysis, analysts utilize a combination of wet chemical methods, microscopy, fourier transform infrared spectrophotometry and ion chromatography. Through a federal grant, the Bureau will be adding new instruments to aid in explosives analysis in 2005. These new tools include



Preparing a Sample

Raman, Ion Mobility Spectroscopy, X-Ray Florescence Spectroscopy, a Mass Detector for the Ion Chromatograph and an FTIR microscope. The Bureau also will be adding a mobile response unit that can provide presumptive and preliminary analysis of samples at specific crime scenes throughout the state. The average turnaround time in 2004 to process and report on a fire debris sample was 7.4 calendar days. Explosives samples, which require multiple tests, often require significantly longer periods for analysis.

The Bureau offers image processing that includes conventional 35 mm film, digital images and video. Conventional 35 mm film processing includes photographic processing for the Division of State Fire Marshal and certain sections of the Department of Financial Services. For calendar year 2004, 126 rolls of film were processed. Processing includes development of film and printing of photographs and because photographs are used in both criminal and civil litigation, we are often asked to prepare copies of photographs for investigations and enlargements for courtroom demonstrations. For 2004, the Bureau responded to 103 such requests. The Imaging Section develops and prints film with an average turnaround of less than three days.

The Digital Darkroom in the Imaging Section is where images from digital cameras are processed and archived. The digital imaging equipment may also be used to scan conventionally developed photographs into a digital format. The Digital Imaging Section processed 67,845 digital images from 2,828 cases over the period of January 1, 2004 to December 31, 2004. Forensic video analysis is also provided by this section. Video images are captured in a wide variety of places every day. Some estimates have it that we are each caught on film an average of eight times per day. These may be on the camera at the gas station, bank, grocery store, restaurant, ATM machine or workplace. The quality of these image captures may vary widely. Often, an investigator will look to the video cameras near a crime scene in order to seek captured images of a suspect, their vehicle or details of the crime scene. The Bureau's equipment can cause the video images to be separated, stabilized and enhanced so that the information can be put into a format useful to investigations. In 2004, the Bureau processed 61 video cases.

The Bureau of Forensic Fire and Explosives Analysis services are provided to public law enforcement and fire investigators at no charge. The State Fire Marshal's Bureau of Fire and Arson Investigations (BFAI) is the laboratory's primary submitter. Forensic samples are also submitted directly to the Bureau by local fire service agencies and local police/sheriff's offices. On occasion, federal agencies have submitted samples to the Bureau for testing as well. Those wishing to submit samples to the Bureau are welcome to call at (850) 539-2700 or visit the "Forensic Laboratory" section of the State Fire Marshal's website, www.fldfs.com/SFM.

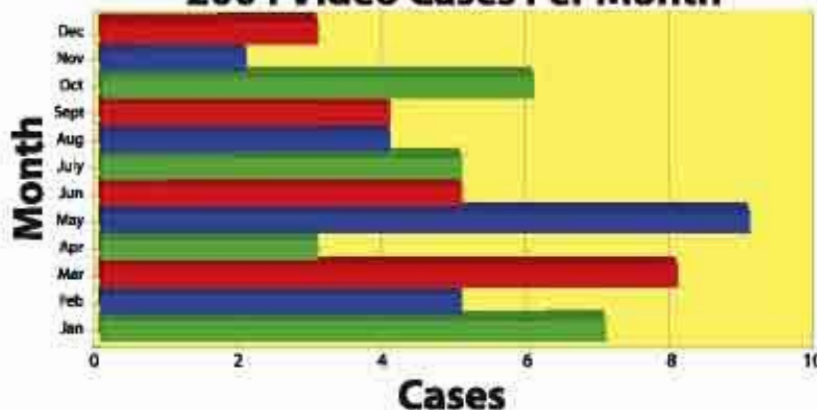
2004 Samples per Month



2003 & 2004 Digital Images Per Month



2004 Video Cases Per Month





EMERGENCY MANAGEMENT AND RESPONSE

The Division of State Fire Marshal (SFM) is the lead agency for two Emergency Support Functions (ESF) at the State Emergency Operation Center (EOC) during a disaster or state emergency. The Division is responsible for the management and staffing of ESF 4 (Firefighting) and ESF 9 (Search and Rescue) at the EOC as mandated by the State of Florida Comprehensive Emergency Management Plan (CEMP).

The Division accomplishes this responsibility through a partnership with various agencies and associations, which supply personnel at the EOC as part of the staffing plan. Personnel are assigned from all of the Division's Bureaus and are responsible for:

- Verifying request for resources and information from impacted local government
- Ensuring that appropriate assistance is provided
- Ordering resources
- Tracking and documenting resources
- Estimating the cost associated with resource requests
- Ensuring resources have the necessary logistical support to fulfill the assigned mission
- Ensuring relief is provided for any resources necessary for an extended operation.

In addition, State Fire Marshal personnel assigned to the EOC coordinate with Law Enforcement (ESF 16), Military Support (ESF 13), Health and Medical (ESF 8), Communications (ESF 2), Public Information (ESF 14) and Hazardous Materials (ESF 10). There are other ESF's that either supply information or receive information from ESF's 4 and 9.

The coordinated response and management of statewide fire service resources is accomplished in part via the Florida Fire Chiefs' Association Statewide Emergency Response Plan. This plan was developed shortly after Hurricane Andrew in 1992 and has been used extensively since then. Every year this plan is reviewed for necessary revisions by a committee of the Florida Fire Chiefs' Association that include the Emergency Coordinating Officer and the Administrative Manager for ESF 4 & 9, who are SFM staff. The Division of State Fire Marshal uses the Incident Management System as a standard for EOC and ESF operations. Training in emergency management is an ongoing cooperative effort with four partners: the Division of State Fire Marshal, the Florida Division of Forestry, the Florida Fire Chiefs' Association and the Division of Emergency Management.

In addition to responsibilities at the EOC, the Division of State Fire Marshal also staffs multiple teams of Division personnel to respond to the disaster area and perform search and rescue duties, debris removal, road clearing and damage assessment. These teams are comprised of personnel from all four Bureaus of the Division and are provided with fire apparatus from the Bureau of Fire Standards and Training, and communication vans and bobcat tractors

from the Bureau of Fire and Arson Investigations. The teams are self-sufficient for a minimum period of 72 hours. After the initial 72-hour period, support for the teams is supplied by either the Division or through the EOC.

The Division is a major participant on State Assessment Teams with personnel from the Bureau of Fire Prevention involved. Upon activation, these personnel report to a pre-designed staging area and to a team leader from the Florida National Guard. Responsibilities are to identify and evaluate the status of emergency services, such as fire apparatus, fire stations and facilities, personnel and needs assessment associated with the fire service in a stricken area. These personnel may be deployed for up to 96 hours with the Florida National Guard. Upon fulfillment of their assigned mission, these personnel may be returned to their original staging area or the National Guard will transport them to the location of other State Fire Marshal units.

Division personnel at the EOC are also responsible for providing current information concerning any disaster or emergency to the management of the Department of Financial Services and other organizations with responsibility for providing disaster assistance. This is accomplished through the Department of Financial Services' statewide network, as well as Internet e-mail. This computer link ensures that the Department receives timely and accurate information concerning the disasters.

ESF 4 & 9 is also responsible for certain actions involving terrorist incidents. Statutory authority provides that the Florida Department of Law Enforcement (FDLE), with respect to counter-terrorism efforts, respond to acts of terrorism within or affecting this state. As it relates to terrorism, the FDLE shall coordinate and direct state law enforcement, initial emergency and other initial state responses. The statutes further state that FDLE shall work closely with the Division of Emergency Management, other federal, state, and local law enforcement agencies, fire and rescue agencies, first-responder agencies and others involved in preparation against acts of terrorism in or affecting this state and in the response to such acts.

All ESF 4 & 9 actions related to preparation for and response to an act of terrorism will be coordinated with FDLE and Regional Domestic Security Task Forces in accordance with provisions of the CEMP and Florida Statutes.



Clint Croft (Bobcat Operator) and Lt. Steadman responding to a mission tasked from State Emergency Operations Center in Navarre Beach Florida.



2004 HURRICANE SEASON

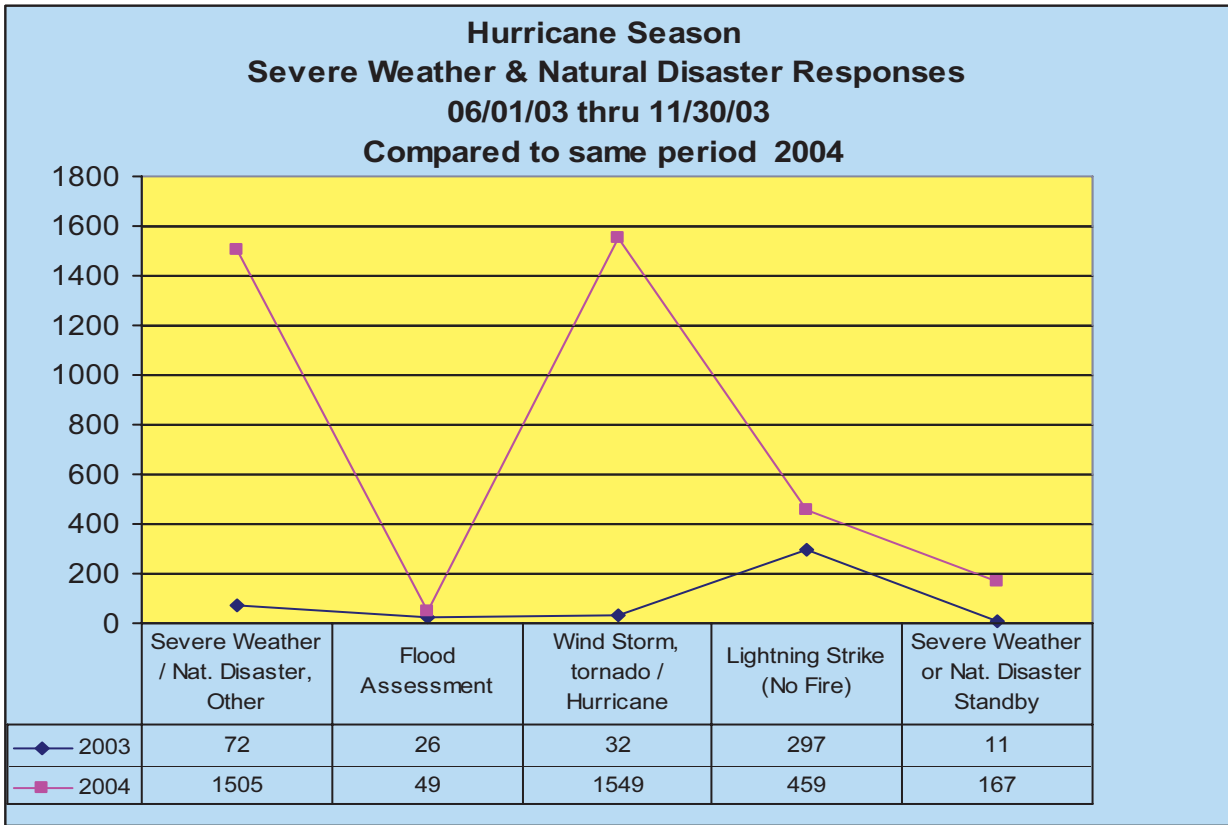


In 2004 the State of Florida had four major hurricanes that devastated the entire state causing accumulative damage in the billions. Hurricane **Charley** (category 4) occurred on August 13th, 2004 causing \$14 billion in damages and 25 fatalities. Hurricane **Frances** (category 3) occurred on September 3rd, 2004 causing \$9 billion in damages, with 18 as the death toll. Hurricane **Ivan** (category 3) occurred on September 16th, 2004 causing \$13 billion in damages and 30 fatalities. Hurricane **Jeanne** (category 3) occurred on September 25th, 2004 causing \$6.9 billion in damages with 3 as the death toll (in Florida).



*Governor Bush & State Fire Marshal Gallagher
in Punta Gorda*

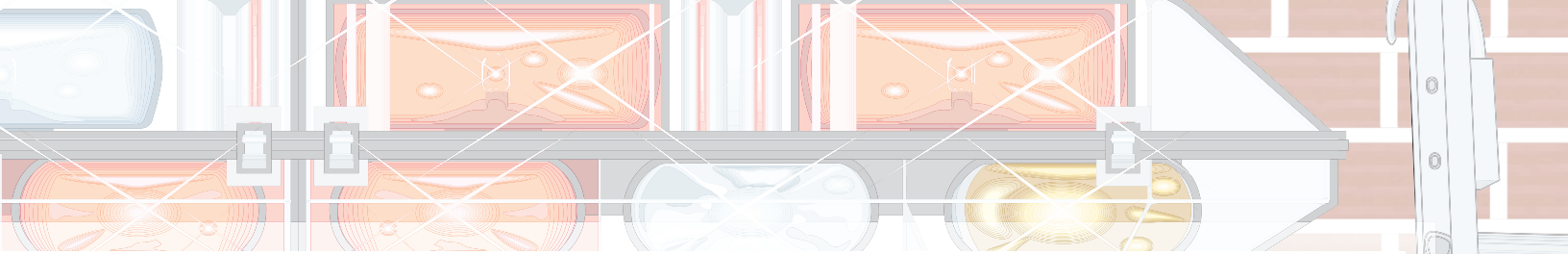




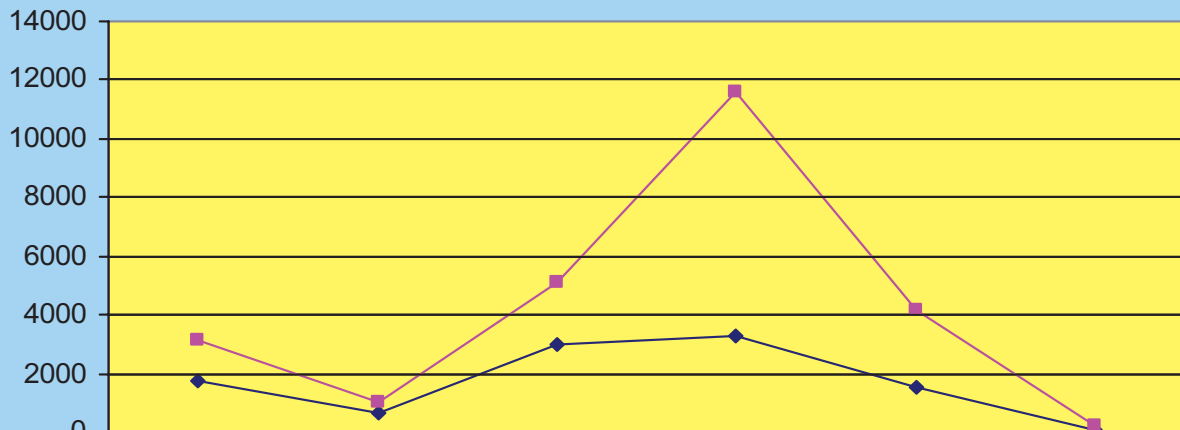
Severe Weather Conditions



Natural Disaster Charlotte County



Hazardous Condition 06/01/03 thru 11/30/03 Compared to same period 2004



	Hazardous Conditions, Other	Gas Leak (Natural Gas or LPG)	Electrical Wiring/ Equipment	Power Line Down	Arcing, Shorted Electrical Equipment	Building or Structure Weakened or
2003	1725	674	2962	3274	1542	48
2004	3133	1015	5105	11573	4136	223



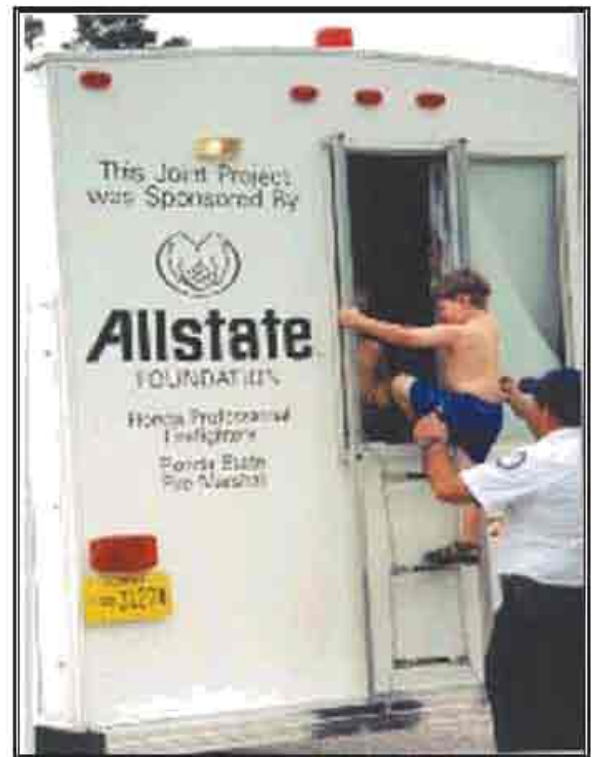
Hazardous Conditions Orange County



FIRE SAFETY HOUSE

Traveling from Key West to the panhandle, the Fire Safety House creates the opportunity to "hear, see and do" safety behaviors, such as testing smoke alarms, calling 9-1-1 and escaping out of a bedroom window. This portable unit allows citizens to experience what it is like to be in a house fire, and with its severe weather-training package, what to do in the event of a tornado or hurricane.

Fire departments throughout Florida have taken advantage of this "teaching tool" at schools, fairs and community events. The Fire Safety House is available but it is booked well into the following year. For more information or to request the Fire Safety House for your event, contact the Bureau of Fire Standards and Training at (352) 369-2800 or send an email to firecollege@fdats.com.





FLORIDA FIRE INCIDENT REPORTING SYSTEM



Division of State Fire Marshal

Florida Fire Incident Reporting System

200 East Gaines Street
Tallahassee, Florida 32399-0340

Phone: (850) 413-3698

Fax: (850) 921-7525

Email: FFIRS@fldfs.com

Keith McCarthy, Statistician Supervisor II

The Florida Fire Incident Reporting System (FFIRS) is a means for fire departments to report and maintain computerized records of fires and other fire department incidents in a uniform manner. The software and training are free to all fire departments! The training includes handbooks, coding guides and technical support. If your fire department is currently using the Federal Client Tool software 5.0, version 5.3.3 or lower, please contact the FFIRS office to upgrade your software to the latest version, 5.3.4.

What Can The Florida Fire Incident Reporting System (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 Emergency Medical Services (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 (e.g. response time, training)
- Predict fire-related problems within your community, and
- Measure the success of fire prevention and safety programs.

The Division of State Fire Marshal manages FFIRS in conjunction with the National Fire Incident Reporting System (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. Your efforts to report data also help to more accurately assess and, subsequently, combat the fire problem at a national level. Join the Division of State Fire Marshal and FFIRS in its endeavor to Fight Fires with Facts!



OUTSTANDING FIRE AND RESCUE SERVICE PERSONNEL HONORED



Governor Jeb Bush, Chief Financial Officer Tom Gallagher and the other members of the State Cabinet honored fire and rescue service personnel from around Florida for outstanding contributions to their industry and their communities.

Ten fire and rescue workers from throughout Florida were recognized for their work in 2004, including one firefighter who on-duty pulled a victim from a burning building and off-duty saved a life by applying the Heimlich maneuver to a patron in a restaurant.

"These men and women are role models, but all who answer the call to serve and protect the public are heroes," said Gallagher. "I extend my gratitude to each and every one who puts on that uniform and responds when the alarm sounds."

The Governor and Cabinet also recognized firefighters' commitment to raising money for the Muscular Dystrophy Association as part of the International Association of Firefighters' annual "Fill the Boot" Campaign. Florida firefighters last year raised more than \$1.2 million. In honor of their efforts, the Cabinet proclaimed the week of April 3-9 as the Florida Firefighter Appreciation Week.

Professional Firefighter of the Year

Manly C. Bolin,

Formerly of Jacksonville Fire Rescue

Career Firefighter of the Year

Craig M. Rogers,

Palm Harbor Special Fire Control



Volunteer Firefighter of the Year

Alexander Nualart,

Plantation Fire Department

Fire Investigator of the Year

Darrell W. Brown,

Gainesville Fire Rescue

Fire Inspector of the Year

George M. Ellington,

Cedar Hammock Fire Rescue

Forestry Firefighter of the Year

Frank Gibbs,

Department of Agriculture and Consumer Services, DOF, Sebring



Fire Instructor of the Year

Buck Tomlinson,

DFS, Division of SFM, Bureau Of Fire Standards and Training, Ocala

Fire Marshal of the Year

Anthony Apfelbeck,

City of Altamonte Springs



Fire Chief of the Year

Richard Williams,

Gainesville Fire Rescue

Emergency Preparedness

Manager of the Year

Keith Holman,

Martin County Emergency Management

Also, the Central Florida Fire Academy in Orlando was named **Training Center of the Year.**



ASSISTANCE TO FIREFIGHTERS' GRANT AWARDS FOR 2004

The United States Fire Administration (USFA) has reported that the following departments received an Assistance to Firefighters Grant Award for 2004. One of the requirements, placed upon grantees under this award, is that recipients "agree to provide information to the USFA's National Fire Incident Reporting System (NFIRS) for the period covered by the grant. If a 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 system for a twelve-month period commencing as soon as they develop the capacity to report. Capacity to report to the NFIRS must be established prior to the termination of the one-year performance period." This requirement is included in the 2004 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 2004 recipients listed below may be reviewed by entering the following link into your web browser:

<http://www.firegrantsupport.com/winners.aspx>

In Florida, the established reporting channel would be through, or using, the Florida Fire Incident Reporting System (FFIRS) Section of the Division of State Fire Marshal (SFM). *Please note that submission of an annual summary to the FFIRS Section does not comply with the responsibilities for grantees as mentioned above and is not an established reporting channel to the NFIRS.* Please contact the FFIRS Section at (850) 413-3698 for assistance in helping your department comply with this reporting requirement.

<u>FDID #</u>	<u>Name of Fire Department</u>	<u>Award Announcement</u>	<u>Reporting</u>
	Gadsden County Fire Service	11/19/2004	No
01032	Miami-Dade Fire Rescue	08/06/2004	No
01042	City of Miami Fire Rescue	02/11/2005	Yes**
01052	Coral Gables Fire Rescue	01/21/2005	Yes
02072	Jacksonville Fire Rescue	12/31/2004	Yes
03032	Plant City Fire Rescue	09/10/2004	Yes
03051	Hillsborough County Fire Rescue	02/25/2005	No
04022	Clearwater Fire Department	09/10/2004	Yes
04032	City of Oldsmar Fire Rescue	08/20/2004	Yes
04062	Pinellas Park Fire Department	10/01/2004	Yes
04071	Gulfport Fire Department	09/24/2004	Yes
05022	Auburndale Fire Department	03/04/2005	Yes
05032	Lakeland Fire Department	11/26/2004	Yes
06062	Greenacres Public Safety	01/28/2005	Yes

<u>FDID #</u>	<u>Name of Fire Department</u>	<u>Award Announcement</u>	<u>Reporting</u>
06142	Boca Raton Fire Rescue	03/04/2005	Yes
06202	Palm Beach Fire Rescue	03/18/2005	No
06222	Palm Beach Shores Vol Fire Department	12/03/2004	Yes
06242	Riviera Beach Fire Rescue	01/21/2005	Yes
06262	South Bay Public Safety	10/29/2004	Yes
06272	West Palm Beach Fire Rescue	03/11/2005	No
06301	Palm Beach County Fire Rescue	02/11/2005	Yes
07212	City of Orlando Fire Department	02/18/2005	Yes
07232	Winter Garden Fire Department	01/28/2005	Yes
07252	Orange County Fire Rescue	10/29/2004	Yes
08012	Ormond Beach Fire Department	02/11/2005	Yes
08021	Deltona Fire Department	11/26/2004	Yes
08042	Edgewater Fire Rescue	02/25/2005	Yes
08072	Daytona Beach Fire Department	02/11/2005	Yes
08162	Ponce Inlet Fire Rescue	01/07/2005	No
09111	Bellview Vol Fire Department	01/28/2005	Yes
10022	Hallandale Beach Fire Rescue	10/29/2004	Yes
10031	Plantation Fire Department	12/03/2004	Yes
10062	Lauderhill Fire Rescue	02/25/2005	Yes
10202	Tamarac Fire Rescue	03/04/2005	Yes
10242	Town of Davie Fire Rescue	02/11/2005	No
10252	Lighthouse Point Fire Rescue	01/21/2005	Yes**
11012	Gainesville Fire Rescue	12/10/2004	Yes
12012	Eustis Fire Department	10/29/2004	Yes
12041	Groveland Fire Department	09/03/2004	Yes
13041	Lake Jackson Fire Rescue	07/01/2004	No
14031	Dunnellon Fire Rescue	02/18/2005	No
14162	Marion County Fire Rescue	06/25/2004	No
15051	Whitfield Fire Department	01/21/2005	Yes*
16011	Nokomis Vol Fire Department	09/24/2004	No
16021	North Port Fire Rescue	09/10/2004	No
16072	Sarasota County Fire Department	12/24/2004	Yes**

FDID #	Name of Fire Department	Award Announcement	Reporting
17011	Lake Mary Fire Department	02/25/2005	No
17021	Oviedo Fire Rescue	10/01/2004	Yes
17022	Seminole County BCC	02/25/2005	Yes
17032	Casselberry Fire Rescue	09/24/2004	Yes
17072	Longwood Fire Rescue	02/11/2005	No
18021	Bayshore Fire Rescue	02/18/2005	Yes
18041	Estero Fire Rescue	10/01/2004	Yes
18132	South Trail Fire Rescue District	02/11/2005	Yes
19012	Indialantic Fire Rescue	11/19/2004	Yes
19042	Palm Bay Fire Department	02/11/2005	Yes
19071	Four Communities Fire Department	07/16/2004	No
19072	City of Melbourne Fire Department	09/10/2004	Yes
19111	Malabar Fire Department	02/04/2005	Yes*
19112	Melbourne Beach Vol Fire Department	09/10/2004	Yes*
19172	Titusville Fire & Emergency Services	09/10/2004	Yes
19452	Brevard County Fire Rescue	03/11/2005	Yes
20012	St Augustine Fire Department	09/10/2004	Yes
20151	St Johns County Fire Rescue	12/03/2004	Yes
21061	Wetumpka Vol Fire Department	09/03/2004	Yes
22031	Florahome-Grandin Vol Fire Dept, Inc	02/04/2005	Yes*
22071	Pomona Park-Lake Como Vol Fire Dept	01/28/2005	Yes
22120	West Putnam Vol Fire Department	10/29/2004	Yes
23012	Panama City Beach Fire Rescue	02/11/2005	Yes
23032	Panama City Fire Department	12/17/2004	Yes
23101	Mexico Beach Dept of Public Safety	12/17/2004	No
24012	St Lucie County Fire District	02/04/2005	Yes*
25011	Cottdonale Vol Fire Department	02/25/2005	Yes
25022	Marianna Fire Rescue	06/18/2004	Yes
26012	City of Kissimmee Fire Department	02/18/2005	Yes
26022	St Cloud Fire Rescue	10/29/2004	Yes
27032	Lake Placid Fire Rescue	11/19/2004	Yes*
27061	Highlands Park Vol Fire Dept, Inc	03/11/2005	Yes

<u>FDID #</u>	<u>Name of Fire Department</u>	<u>Award Announcement</u>	<u>Reporting</u>
27101	Lorida Vol Fire Department	09/03/2004	Yes
27131	Sun 'N Lake Sebring Fire Department	10/29/2004	Yes
28042	Pasco County Fire Rescue	12/03/2004	Yes
31032	Wellborn Vol Fire Department	06/18/2004	Yes
32042	Indian River County Fire Rescue	10/29/2004	Yes
33021	Bagdad Vol Fire Department	02/18/2005	No
33031	Berrydale Vol Fire Department	10/29/2004	No
33071	Avalon Beach Vol Fire Department	10/29/2004	Yes*
33091	Jay Vol Fire Department	08/13/2004	Yes
33101	Midway Fire District	10/29/2004	Yes
35011	Lee Fire Department	10/29/2004	Yes
35022	Madison Fire Rescue	10/29/2004	Yes
35091	Madison County Vol Fire Department	08/06/2004	Yes
36011	South Walton Fire District	02/18/2005	Yes
36061	Mossy Head-Oakwood Hills Vol Fire Department	12/03/2004	Yes
36101	Liberty Fire District	09/10/2004	Yes
36131	Darlington-Gaskin Vol Fire Department	10/29/2004	Yes
38101	Sugarloaf Key Vol Fire Department	02/25/2005	Yes
39031	Chiefland Fire Rescue	08/13/2004	Yes
39051	Morrison-Montbrook Vol Fire Department	08/06/2004	No
41071	Nassauville Vol Fire Department	11/19/2004	No
42072	Jensen Beach Vol Fire Department	08/27/2004	No
42082	Stuart Fire Rescue	03/04/2005	Yes*
43022	Crestview Fire Department	11/19/2004	No
43032	Fort Walton Beach Fire Department	02/11/2005	Yes
43052	Mary Esther Vol Fire Department	01/28/2005	Yes
43081	Dorcas Fire District	09/03/2004	Yes**
44015	Sumter County Fire Rescue	10/01/2004	Yes
45012	Starke Fire Department	01/21/2005	Yes
45041	New River Vol Fire Department	09/03/2004	No
45051	Heilbron Springs Vol Fire Department	08/06/2004	Yes**

<u>FDID #</u>	<u>Name of Fire Department</u>	<u>Award Announcement</u>	<u>Reporting</u>
45071	Hampton Vol Fire Department	08/13/2004	No
45081	Theressa Vol Fire Department	08/06/2004	No
45091	Sampson City Vol Fire Department	08/06/2004	No
48012	Orange Park Fire Rescue	02/11/2005	Yes
50015	Country Oaks Vol Fire Department, Inc	07/30/2004	Yes
51021	Gritney Vol Fire Department	08/06/2004	Yes**
51041	New Hope Vol Fire Department	09/24/2004	Yes
51081	Pittman Vol Fire Department	08/06/2004	Yes
53012	Punta Gorda Fire Department	10/29/04	Yes*
55051	North Gilchrist Vol Fire Department	02/25/2005	No
56032	Hamilton County EMS/Fire Rescue	01/07/2005	No
58011	Blountstown Fire Department	06/04/2004	Yes
58015	Westside Vol Fire Department	09/10/2004	Yes
58017	Magnolia Vol Fire Department	08/13/2004	Yes
58041	Kinard Vol Fire Department	08/06/2004	Yes
59051	Eastpoint Vol Fire Department	04/01/2005	Yes
60011	Moore Haven Vol Fire Department	09/03/2004	No
63011	Lake Butler Vol Fire Department	11/12/2004	Yes
64041	Isles of Capri Fire Rescue	01/28/2005	Yes*
64042	Naples Police & Emergency Services	01/28/2005	Yes
65011	Crawfordville Vol Fire Rescue	09/03/2004	No
65012	St Marks Vol Fire Department	02/11/2005	No
65021	Panacea Vol Fire Department	02/11/2005	No
65051	Apalachee Bay Vol Fire Department	09/10/2004	No
65081	Smith Creek Vol Fire Department	07/30/2004	No
65091	Wakulla Vol Fire Department	11/19/2004	Yes*

Yes* - Missing 2004 Data

Yes** - Started Reporting Data in 2005



FLORIDA COUNTIES FIRE & NON-FIRE TOTALS

Counties	Structure Fires	Vehicle Fires	Other Fires	Exposures	Total Fires	Rescue EMS	Other Calls	False Alarms
Alachua	343	215	586	0	1,144	7,492	4,558	2,800
Baker	33	38	141	0	212	444	363	11
Bay	179	107	275	13	574	3,255	2,296	871
Bradford	86	83	130	0	299	745	293	46
Brevard	506	422	1,261	46	2,235	43,419	10,681	4,173
Broward	1,254	768	1,112	56	3,190	106,649	34,918	14,143
Calhoun	29	13	49	0	91	55	124	21
Charlotte	111	121	597	22	851	15,301	3,722	1,059
Citrus	116	91	385	0	592	932	3,289	328
Clay	23	10	22	0	55	1,322	121	95
Collier	275	224	663	16	1,178	20,395	6,290	3,717
Columbia	170	109	256	0	535	1,287	997	223
Desoto	11	12	60	0	83	20	204	107
Dixie*	0	0	0	0	0	0	0	0
Duval	1,234	929	2,028	64	4,255	82,217	17,335	7,399
Escambia	281	149	573	18	1,021	6,494	3,788	1,225
Flagler	61	59	212	0	332	2,868	1,280	339
Franklin	6	4	12	0	22	0	4	0
Gadsden	124	78	158	19	379	906	708	365
Gilchrist	8	10	35	5	58	96	140	19
Glades*	0	0	0	0	0	0	0	0
Gulf	4	1	8	0	13	11	9	0
Hamilton	14	20	34	5	73	81	91	8
Hardee*	0	0	0	0	0	0	0	0
Hendry	66	39	189	2	296	831	752	24
Hernando	59	70	180	2	311	9,408	1,791	283
Highlands	86	51	173	0	310	2,261	709	222
Hillsborough	86	70	82	14	252	4,543	1,289	743
Holmes	39	28	85	3	155	110	192	23
Indian River	133	92	435	0	660	1,846	3,649	1,101
Jackson	86	74	120	0	280	67	162	69
Jefferson	29	23	67	1	120	93	207	41
Lafayette	7	11	19	0	37	4	10	1
Lake	276	248	624	13	1,161	21,156	5,408	1,765
Lee	381	306	999	15	1,701	37,304	7,439	4,119
Leon	16	27	70	0	113	518	106	57
Levy	34	34	171	0	239	273	290	44
Liberty	7	3	1	0	11	0	0	0

Total Incidents	*Add Mutual Aid/Given	Total Responses	Total Dollar Loss	Civilian Injuries	Civilian Deaths	Firefighter Injuries	Firefighter Deaths
15,994	2,411	18,405	\$4,652,935	6	0	2	0
1,030	5	1,035	\$0	0	0	1	0
6,996	350	7,346	\$1,727,615	8	1	3	0
1,383	296	1,679	\$758,771	0	0	0	0
60,508	1,115	61,623	\$12,021,618	30	5	16	0
158,900	3,034	161,934	\$22,634,633	101	19	90	0
291	67	358	\$1,046,250	0	3	1	1
20,933	267	21,200	\$2,360,379	9	2	6	0
5,141	678	5,819	\$4,000	0	0	0	0
1,593	956	2,549	\$15,000	0	0	0	0
31,580	1,744	33,324	\$7,261,277	14	2	23	0
3,042	45	3,087	\$1,886,085	6	1	9	0
414	22	436	\$96,000	0	0	0	0
0	0	0	\$0	0	0	0	0
111,208	78	111,284	\$21,737,875	34	11	37	0
12,528	870	13,398	\$4,106,942	11	4	28	0
4,819	450	5,269	\$908,911	1	1	1	0
26	0	28	\$40,000	0	0	0	0
2,358	59	2,417	\$976,600	3	0	3	0
313	135	448	\$87,400	0	0	0	0
0	0	0	\$0	0	0	0	0
33	8	41	\$35,000	0	0	0	0
253	34	287	\$404,150	0	0	0	0
0	0	0	\$0	0	0	0	0
1,903	182	2,085	\$118,705	0	0	0	0
11,793	231	12,024	\$1,721,000	2	0	4	0
3,502	1,090	4,592	\$880,920	2	0	2	0
6,827	878	7,705	\$2,871,768	22	0	8	0
480	106	586	\$131,200	1	1	0	0
7,256	18	7,274	\$7,517,676	1	0	1	0
578	180	758	\$1,294,385	0	0	0	0
461	24	485	\$741,728	2	3	0	0
52	1	53	\$265,050	0	0	0	0
29,490	2,109	31,599	\$8,008,479	9	2	6	0
50,563	544	51,107	\$6,907,557	16	1	12	0
794	0	794	\$50	0	0	1	0
846	325	1,171	\$1,303,420	1	2	0	1
11	1	12	\$115,500	0	0	0	0

Counties	Structure Fires	Vehicle Fires	Other Fires	Exposures	Total Fires	Rescue EMS	Other Calls	False Alarms
Madison	37	35	83	2	157	302	290	33
Manatee	320	230	584	14	1,148	14,593	5,075	3,304
Marion	86	41	41	0	168	4,744	1,724	428
Martin	95	78	287	1	461	9,236	2,122	775
Miami-Dade	531	435	595	2	1,563	72,968	6,589	1,504
Monroe	61	41	132	0	234	2,305	844	414
Nassau	137	119	372	2	630	5,683	1,529	516
Okaloosa	164	96	197	7	464	7,606	3,040	1,170
Okeechobee	7	9	9	0	25	184	84	23
Orange	2,018	1,181	1,663	42	4,904	90,198	31,665	11,570
Osceola	178	118	169	7	472	10,224	1,937	864
Palm Beach	939	833	1,785	33	3,590	119,882	25,917	13,322
Pasco	403	318	624	38	1,383	23,296	8,857	2,307
Pinellas	1,137	752	1,656	66	3,611	100,739	38,529	7,237
Polk	417	270	561	16	1,264	18,653	4,078	1,185
Putnam	97	64	204	5	370	5,090	2,459	291
Santa Rosa	119	69	439	8	635	4,057	1,490	309
Sarasota	67	75	335	0	477	6,362	2,183	1,141
Seminole	273	192	522	21	1,008	24,282	9,288	2,753
St Johns	164	120	513	11	808	13,136	2,252	1,442
St Lucie	85	103	386	0	574	3	657	677
Sumter	100	91	248	0	439	6,896	2,492	462
Suwannee	58	56	125	3	242	235	527	92
Taylor	20	17	67	0	104	136	109	18
Union	13	3	14	0	30	20	31	2
Volusia	511	376	985	23	1,895	48,549	14,985	3,229
Wakulla	6	0	9	0	15	25	6	2
Walton	121	78	297	0	496	4,179	1,019	599
Washington	19	16	29	3	67	29	78	3
Total Incidents	14,366	10,355	24,743	618	50,072	966,015	283,071	101,113
Mutual Aid	3,305	719	2,690	0	6,714	20,461	24,107	4,554
Total Responses	17,661	11,074	27,433	618	56,786	986,476	307,178	105,667

*No Data Received

Total Incidents	*Add Mutual Aid/Given	Total Responses	Total Dollar Loss	Civilian Injuries	Civilian Deaths	Firefighter Injuries	Firefighter Deaths
782	308	1,090	\$646,028	0	1	0	0
24,120	1,056	25,176	\$5,627,030	8	3	1	0
7,064	94	7,158	\$270,400	1	0	0	0
12,594	1,004	13,598	\$8,451,673	3	0	70	0
82,624	4	82,628	\$10,749,212	39	2	27	0
3,797	98	3,895	\$440,715	3	0	0	0
8,358	698	9,056	\$1,549,510	0	0	0	0
12,280	1,559	13,839	\$2,354,831	11	1	4	0
316	51	367	\$71,890	0	0	0	0
138,337	5,905	144,242	\$15,054,866	63	3	115	0
13,497	997	14,494	\$2,092,827	17	1	2	0
162,711	699	163,410	\$24,066,256	42	2	8	0
35,843	361	36,204	\$8,498,581	46	9	21	0
150,116	8,547	158,663	\$19,336,282	152	8	145	0
25,180	718	25,898	\$9,876,377	10	3	9	0
8,210	721	8,931	\$853,465	1	1	0	0
6,491	397	6,888	\$1,748,011	2	2	0	0
10,163	215	10,378	\$1,745,200	0	0	3	0
37,331	9,968	47,299	\$4,211,585	31	1	15	0
17,638	259	17,897	\$6,136,485	13	2	6	0
1,911	7	1,918	\$2,813,514	1	2	0	0
10,289	177	10,466	\$572,249	3	1	2	0
1,096	51	1,147	\$1,386,670	0	0	0	0
367	61	428	\$323,900	1	1	0	0
83	46	129	\$231,036	0	0	0	0
68,658	2,499	71,157	\$13,416,990	62	5	17	0
48	4	52	\$120,650	0	0	0	0
6,293	989	7,282	\$6,442,727	0	1	0	1
177	30	207	\$371,300	2	0	0	0
1,400,271	55,836	1,456,107	\$264,099,139	790	107	699	3

The above statistics are based on the data submitted by 402 fire departments that reported to the Florida Fire Incident Reporting System (FFIRS) in 2004. There are approximately 700 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 75-77.

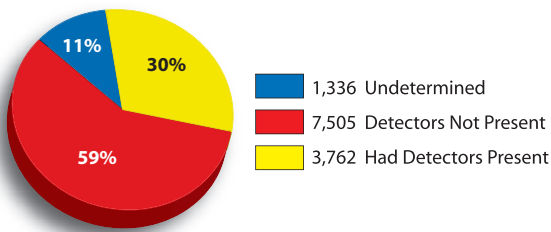


SMOKE DETECTOR USE/FIRE SPRINKLER USE

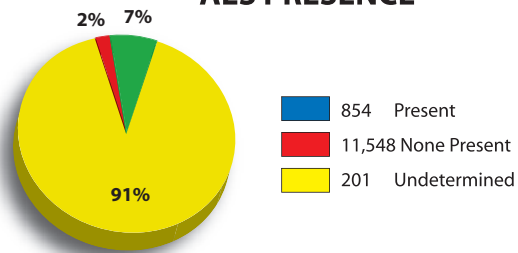
Smoke detectors were present in 30 percent of reported structure fires with 63 percent of those operational. 16 percent were reported as undetermined and 12 percent did not operate due to a variety of reasons such as no batteries, lack of maintenance, etc., and in 9 percent, the fire was too small for the detector to operate. Unfortunately, 59 percent of the structures did not have smoke detectors and 11 percent were reported as undetermined.



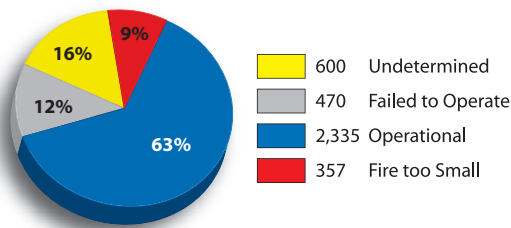
SMOKE DETECTOR PRESENCE



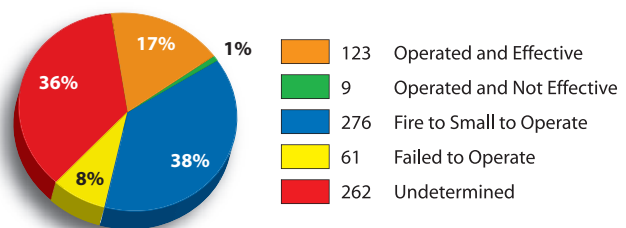
AES PRESENCE



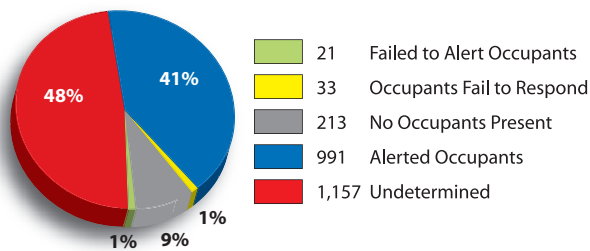
SMOKE DETECTOR OPERATION



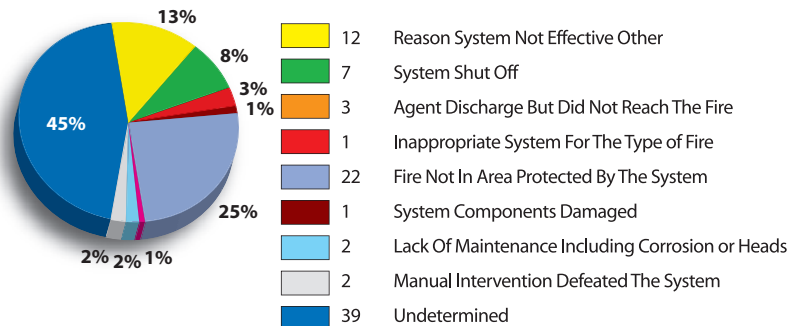
AES OPERATION



SMOKE DETECTOR EFFECTIVENESS



AES FAILURE



These graphs include structures involved in fires reported to the FFIRS section either electronically or by completing paper reports. The annual summaries data is not included in the graphs.



AVERAGE RESPONSE FREQUENCIES



One Fire Department Responds
Every **22** Seconds



One Actual Fire Occurs
Every **9** Minutes, **26** Seconds



One EMS/Rescue Call Occurs
Every **32** Seconds



One Vehicle Fire Occurs
Every **48** Minutes



One Structure Fire Occurs
Every **30** Minutes, **16** Seconds



One False Alarm Call Occurs
Every **5** Minutes



One Other Fire Occurs
Every **19** Minutes



One Other Emergency Call Occurs
Every **2** Minutes, **11** Seconds



SUMMARY STATISTICS

Fire Department choosing to report through FFIRS had 1,456,107 responses in 2004 with 55,836 of them reporting mutual aid assistance.

2004 State Incident Summary

Total Responses	1,456,107
<i>Less Mutual Aid Responses</i>	<i>-55,836</i>
Total Incidents	1,400,271

2004 State Incident Breakdown:

Structure Fires	14,356	
Vehicle Fires	10,355	
Other Fires	24,743	
Exposure Fires	618	
Total Fires		50,072
Rescue/EMS	966,015	
Other Emergencies	283,071	
Total Non-Fires		1,249,086
False Alarms	101,113	
Total Incidents		1,400,271

Summary of Statistics





TOTAL BREAKDOWN OF FIRES BY PROPERTY TYPE



Residential:

Single-family dwellings, apartments, mobile homes, hotels/motels, etc.

11,720



Public & Mercantile:

Stores, restaurants, institutions, churches, public facilities, education, offices, etc.

1,614



Industrial & Other Buildings:

Basic industry, manufacturing, residential garage, storage, vacant, under construction, unknown

1,275



Mobile Property:

Automobiles, trucks, trains, boats, airplanes, etc.

10,624



Outside & Other Property:

Dumpsters, trash, grass, trees, etc.

24,839

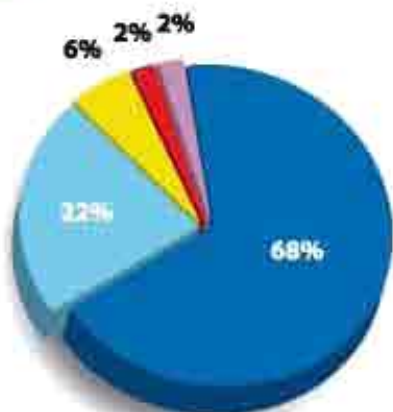
Total Reported Fires = 50,072

Florida Fires 2004





PERCENTAGE OF STRUCTURE FIRES BY PROPERTY TYPE



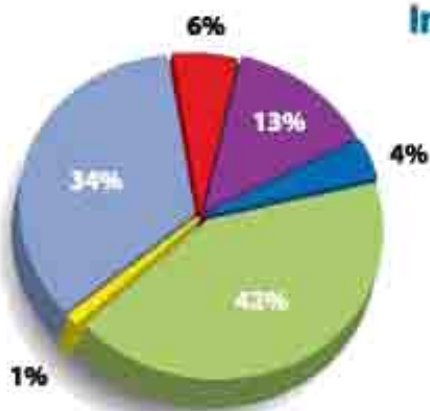
Residential Property Type

- Dwelling
- Apartments
- Mobile Homes
- Hotels
- Other Residential



Public

- Public Assembly
- Eating, Drinking
- Education
- Institutions
- Stores, Offices



Industrial

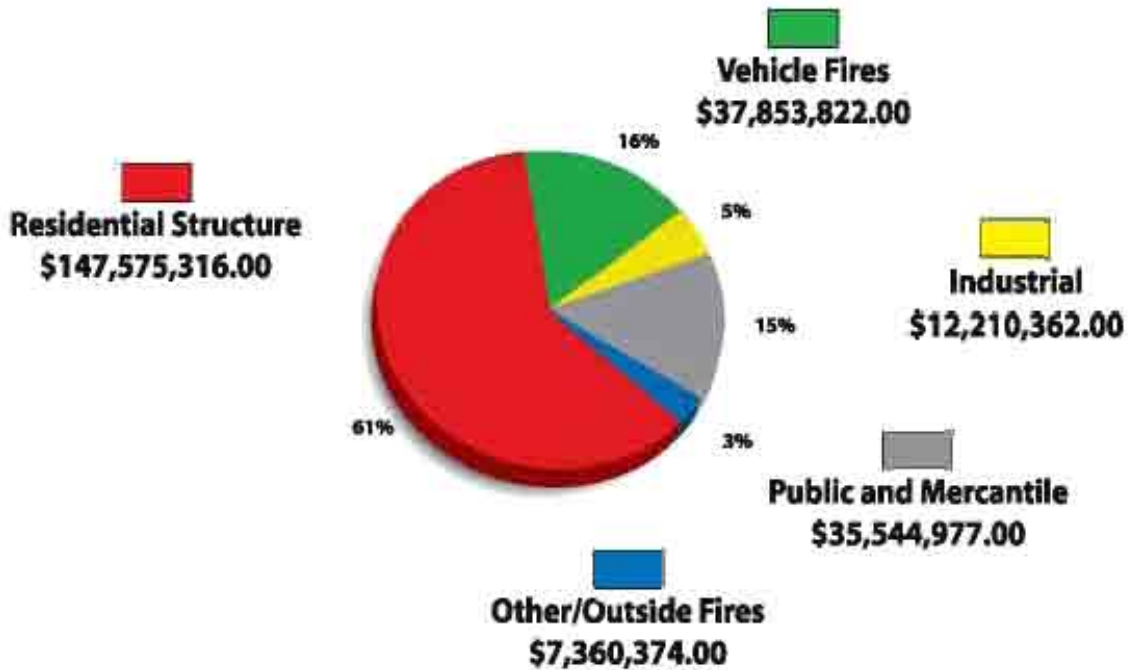
- Basic Industry
- Manufacturing
- Residential Garage
- Storage
- Vacant/Under Construction
- Outside Construction Unknown





STATE DOLLAR LOSS

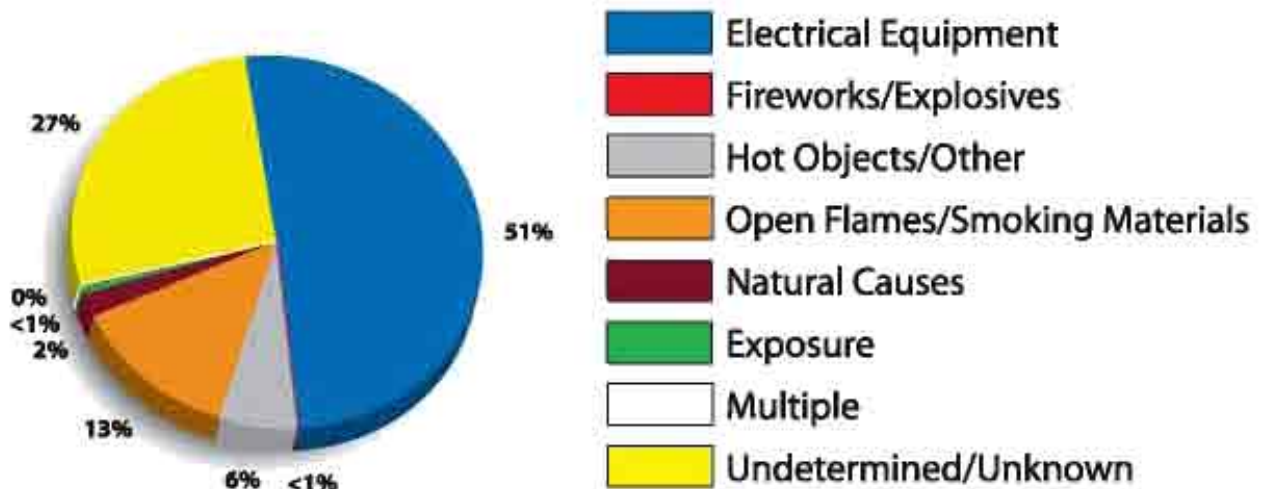
Reported Value of Property Loss for 2004



Total Loss for 2004 **\$240,544,851.00**



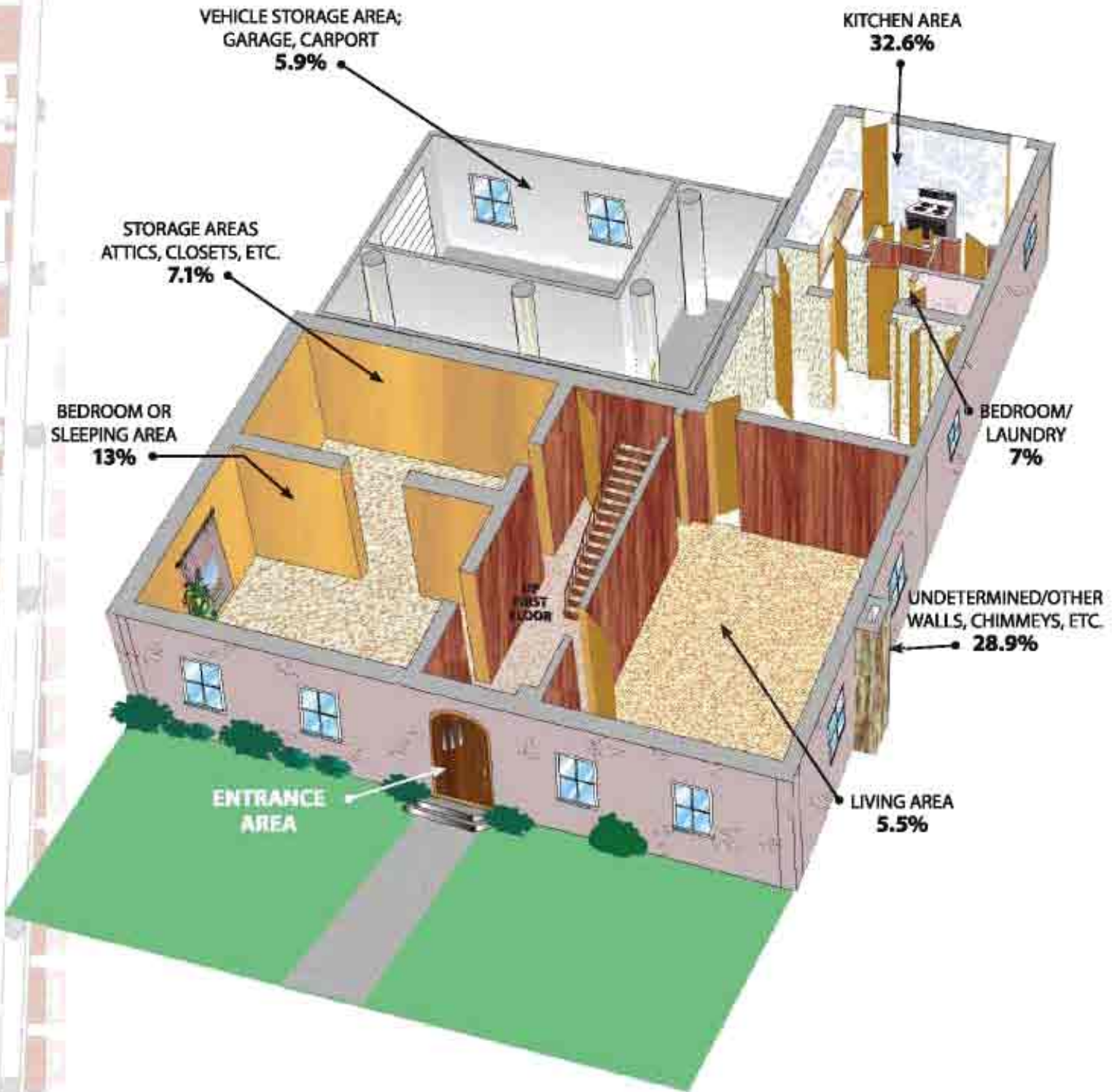
HEAT SOURCES FOR RESIDENTIAL FIRES



Data provided by fire departments via Summary Report is not included in these graphics.



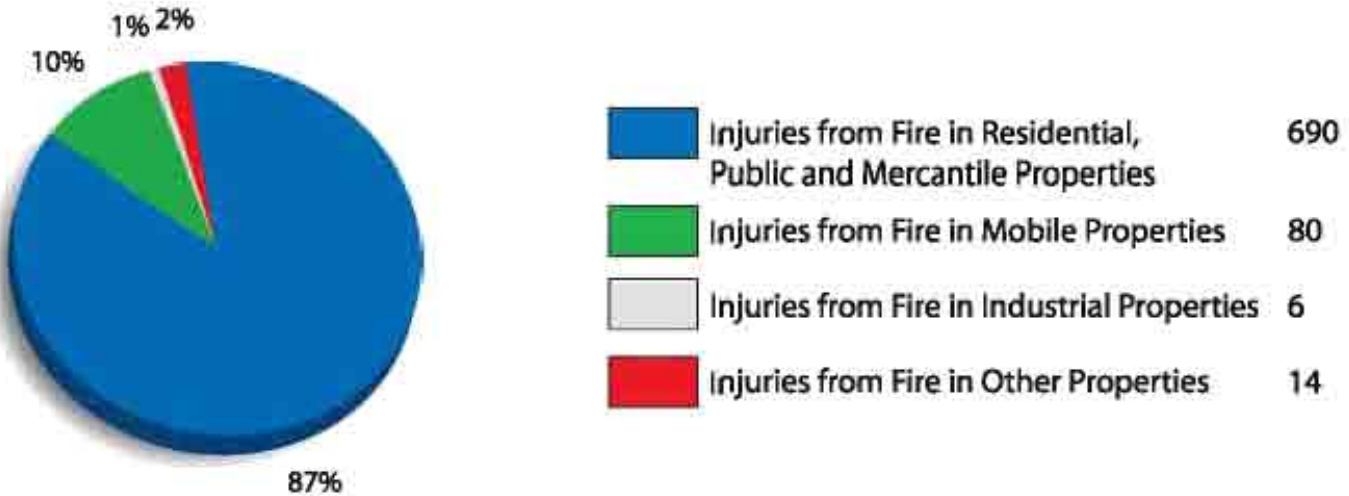
MOST FREQUENT AREAS OF ORIGIN FOR RESIDENTIAL STRUCTURE FIRES





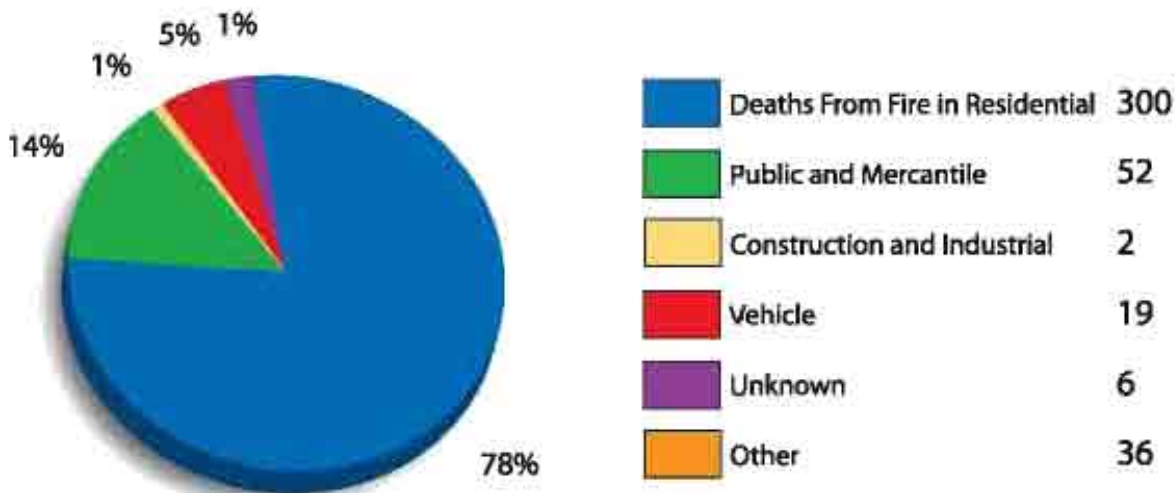
CIVILIAN INJURIES FROM FIRES

During 2004, 790 civilians were injured based on data received from fire departments via FFIRS and totals from the annual summaries. 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 as one of the most prominent factors with 32.5 percent of the residential property fires originating in the kitchen.



CIVILIAN DEATHS FROM FIRES

The following graph depicts 415 civilians that died from fire related incidents based on data received from the [Department of Health, Vital Statistics Section](#). Data received from [fire departments via FFIRS](#) and totals from annual summaries reported 107 civilian deaths during 2004.

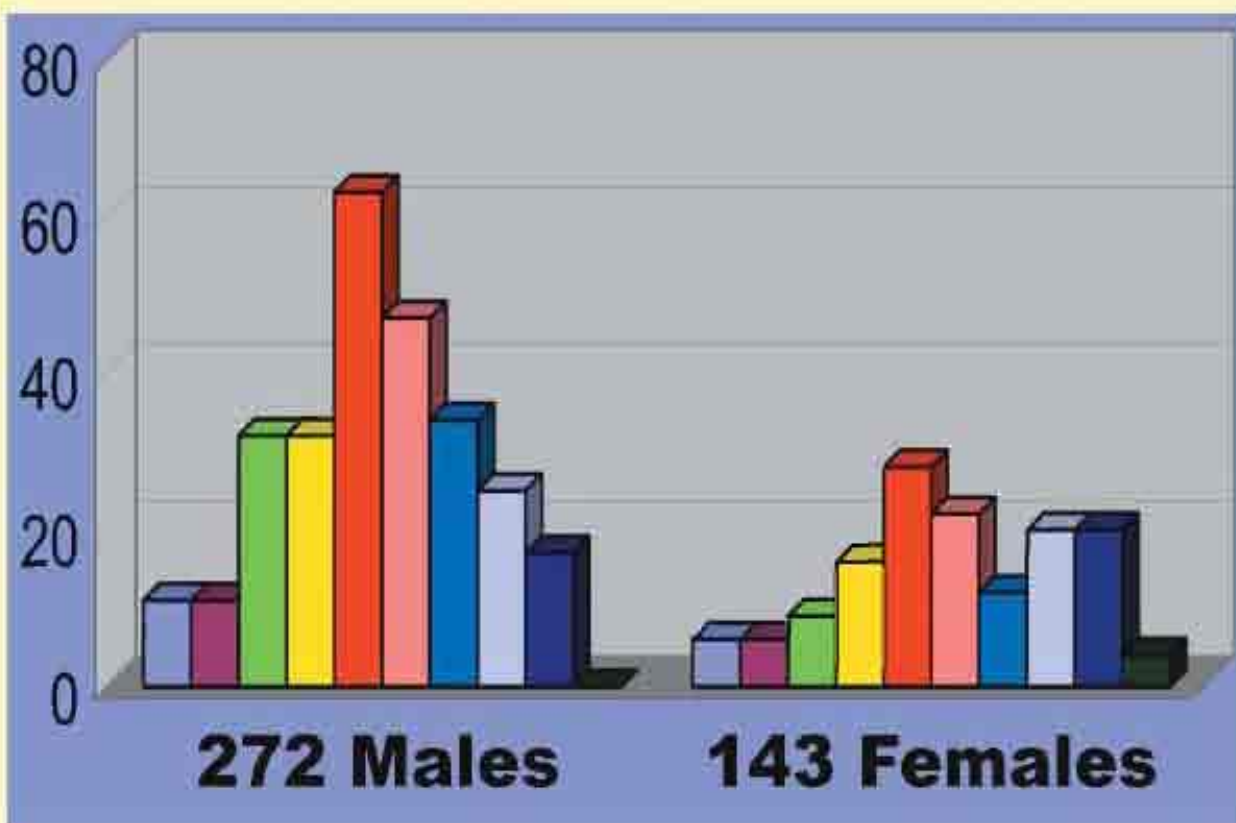




FLORIDA CIVILIAN FIRE DEATHS

Fire education is extremely important especially given the fact that statistics indicate younger and older citizens are the most vulnerable to injury or death by fire. There were a total of 415 fire deaths in 2004. People age 41 and older account for 70.3 percent of Florida's reported deaths from fire. Small children under the age of 10 make up over 4 percent.

Fire Deaths By Age And Sex



	Males	Females
Less than 10 years old	11	6
11 to 20	11	6
21 to 30	32	9
31 to 40	32	16
41 to 50	63	28
51 to 60	47	22
61 to 70	34	12
71 to 80	25	20
81 to 90	17	20
Over 90 years old	0	4
Total	272	143

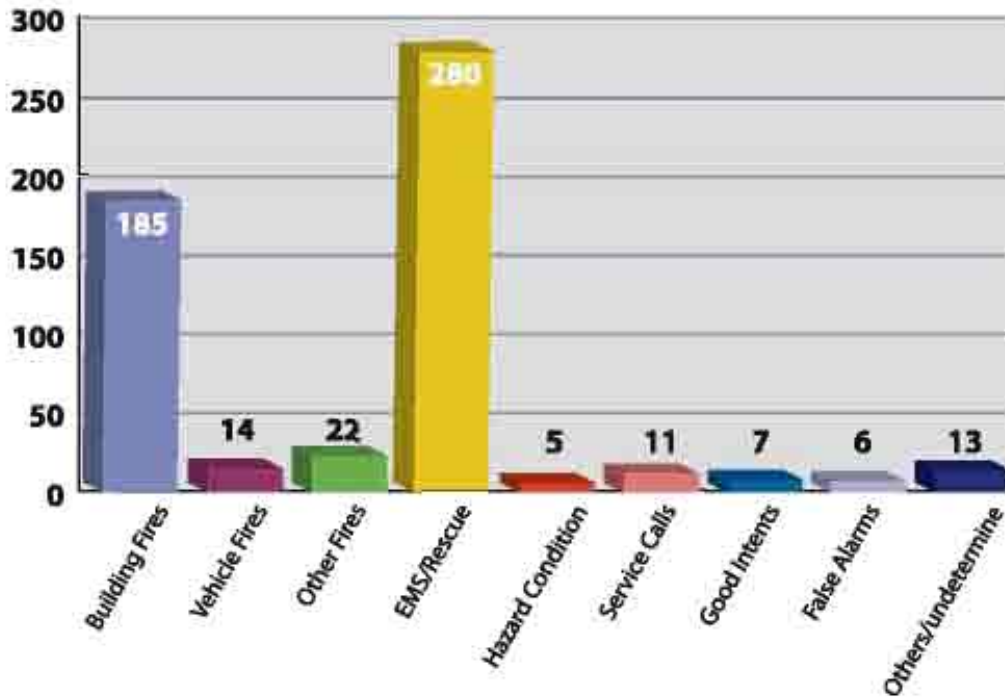


FIREFIGHTER INJURIES

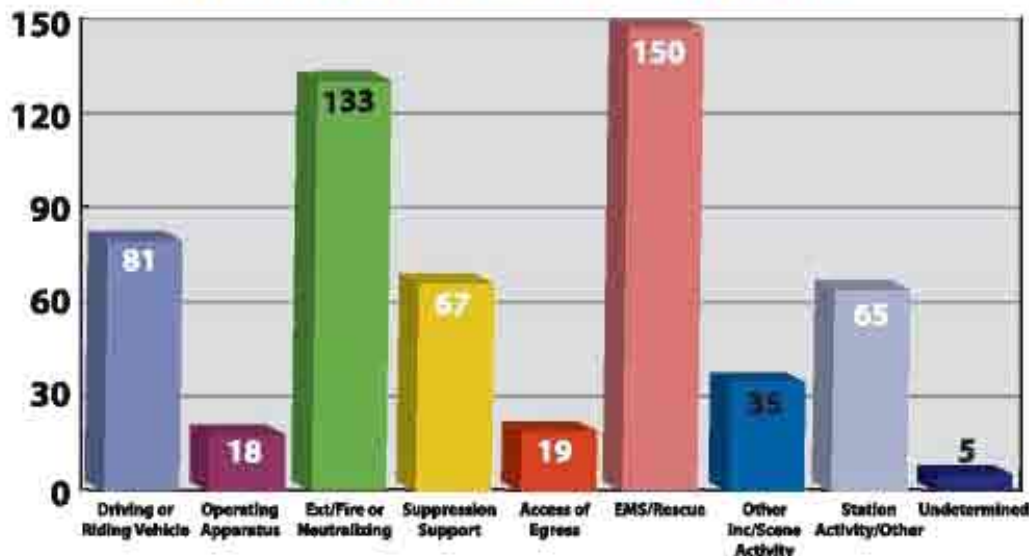
The statistics listed below are from the FFIRS database only and do not reflect the data received from fire departments by annual summaries.

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 2004, there were 543 firefighters injured in the line of duty.

TYPE OF INCIDENTS RESULTING IN INJURIES



ACTIVITY AT TIME OF INJURY





FALLEN FIREFIGHTER MEMORIAL

2004 Fallen Firefighters

Last Name Mackie
 First Name David
 Age 35
 Rank Firefighter/Paramedic
 Incident Date January 27, 2004
 Fire Department Name Orange City Fire Dept.

Last Name Peters
 First Name Edward "Eddie"
 Age 40
 Rank Forest Ranger
 Incident Date March 3, 2004
 Department Name Florida Division of Forestry

Last Name Heighton
 First Name Robert
 Age 40
 Rank Firefighter/Paramedic
 Incident Date October 20, 2004
 Department Name South Walton Fire District

Last Name Lang
 First Name Benjamin
 Age 22
 Rank Firefighter/EMT
 Incident Date August 23, 2004
 Department Name Polk County Fire Department/Cypress Gardens

Last Name Scott
 First Name Victor
 Age 61
 Rank Deputy Chief
 Incident Date March 17, 2004
 Fire Department Name Otter Creek Volunteer Fire Department

Last Name Henderson
 First Name Randy
 Age 42
 Rank USDA Forestry Firefighter
 Incident Date May 13, 2004
 Fire Department Name United States Forestry/Osceola National Forest



*Florida State Fire College
 Fallen Firefighters Memorial in Ocala, Florida*



Honor Guard members (L to R) James Milton, Adam Rivera, James Little, Tony Samper and Eric Bryant representing the DSFM at Funerals for Fallen Firefighters, Law Enforcements Officers, and Public Safety



The following is a listing of the Fire Departments that reported to the Florida Fire Incident Reporting System (FFIRS) Section during 2004. In total, 402 departments throughout the state reported.

ALACHUA COUNTY

Lacrosse VFD {5.0}
Micanopy Fire Dept. {4.1}
Newberry Fire Dept. {4.1}
Waldo Fire Rescue {4.1}
Melrose VFD {4.1}
Cross Creek VFD {5.0}
High Springs VFD {5.0}
Gainesville Fire Rescue {5.0}
Alachua County Fire Rescue {5.0}

BAKER COUNTY

Baker County VFD {5.0}

BAY COUNTY

Callaway Fire Dept. {5.0}
Lynn Haven Fire Dept. {5.0}
Panama City Fire Dept. {4.1}
Springfield Fire Dept. {5.0}
Panama City Beach Fire Rescue {5.0}
Parker Fire Dept. {4.1}

BRADFORD COUNTY

Starke Fire Dept. {5.0}
*Annual Summary
Heilbron Springs VFD
Theresa VFD

BREVARD COUNTY

Brevard County Fire Rescue {5.0}
Canaveral Fire Rescue {5.0}
Cocoa Beach Fire Dept. {5.0}
Indialantic Fire Rescue {5.0}
CCAFS/KSC Fire Rescue {4.1}
Malabar VFD {5.0}
Melbourne Fire Dept. {4.1}
Palm Bay Fire Dept. {4.1}
Rockledge Fire & EMS {5.0}
Satellite Beach Fire Dept. {5.0}
Titusville Fire & EMS {5.0}
Cocoa Fire Dept. {5.0}
Indian Harbour Beach VFD {5.0}
Melbourne Beach VFD {5.0}

BROWARD COUNTY

Broward County Fire Rescue {5.0}
Hallendale Beach Fire Rescue {5.0}
Southwest Ranches VFD {5.0}
Plantation Fire Dept. {5.0}
Dania Beach Fire Dept. {5.0}
Hollywood Fire Dept. {4.1}
Lauderhill Fire Rescue {5.0}
Lauderdale by the Sea VFD {5.0}
Margate Fire Rescue {5.0}
Miramar Fire Rescue {5.0}
Oakland Park Fire Rescue {5.0}
Pembroke Pines Fire Rescue {5.0}
Coral Springs Fire Dept. {5.0}
• Parkland Fire Dept.
Pompano Beach Fire Rescue {5.0}
Sunrise Fire Rescue {5.0}

Tamarac Fire Dept. {5.0}
*Annual Summary
Ft Lauderdale Fire Rescue

CALHOUN COUNTY

Nettle Ridge VFD {5.0}
Blountstown Fire Dept. {5.0}
Westside VFD {5.0}
Magnolia VFD {5.0}
Mossy Pond VFD {5.0}
Kinard VFD {5.0}
Scott's Ferry VFD {5.0}
*Annual Summary
Carr-Clarksville VFD

CHARLOTTE COUNTY

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

CITRUS COUNTY

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

CLAY COUNTY

Keystone Heights VFD {5.0}
Orange Park Fire Dept. {5.0}

COLLIER COUNTY

Big Corkscrew Island FCD {5.0}
Immokalee FCD {5.0}
Isles of Capri Fire Rescue {5.0}
Marco Island Fire Dept. {5.0}
Naples Police & EMS {5.0}
North Naples FCD {5.0}
East Naples FCD {4.1}
Golden Gate FCD {5.0}

COLUMBIA COUNTY

South Columbia/Fort White VFD {5.0}
Suwannee Valley/Winfield VFD {4.1}
*Annual Summary
Lake City Fire Dept.

DESOTO COUNTY

Arcadia Fire Dept. {5.0}

DIXIE COUNTY

DUVAL COUNTY

Jacksonville Beach Fire Dept. {5.0}
Jacksonville Fire Rescue {4.1}
• Atlantic Beach Fire Rescue
• Jacksonville Intn'l Airport
• Neptune Beach Fire Dept.
• Baldwin Fire Dept.

ESCAMBIA COUNTY

Cantonment VFD {5.0}
Pensacola Fire Dept. {5.0}

Escambia Fire Rescue {5.0}
• Pensacola Beach VFD
Brent VFD {4.1}
Ensley VFD {5.0}
Myrtle Grove VFD {5.0}
Bellview VFD {5.0}
*Annual Summary
Walnut Hill Fire Dept.

FLAGLER COUNTY

Bunnell Fire Dept. {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

Eastpoint VFD {4.1}

GADSDEN COUNTY

Florida State Hospital Fire Dept. {5.0}
Greensboro VFD {5.0}
Quincy Fire Dept. {5.0}
Havana Fire Dept. {5.0}
Wetumpka VFD {4.1}
Concord VFD {5.0}

GILCHRIST COUNTY

Trenton VFD {5.0}
Fanning Springs VFD {5.0}
Spring Ridge VFD {4.1}

GLADES COUNTY

GULF COUNTY

Gulf County Beaches VFD {5.0}
Howards Creek VFD {5.0}
*Annual Summary
Dalkeith VFD

HAMILTON COUNTY

Jasper Fire Rescue {5.0}

HARDEE COUNTY

HENDRY COUNTY

Felda VFD {5.0}
Clewiston VFD {5.0}
Montura VFD {4.1}
Pioneer Plantation VFD {4.1}
Seminole's Tribe Fire Rescue {5.0}

HERNANDO COUNTY

Hernando Highpoint VFD {5.0}
Brooksville Fire Dept. {5.0}
Spring Hill Fire Rescue {4.1}
Hernando Beach VFD {4.1}

HIGHLANDS COUNTY

City of Sebring Fire Dept. {5.0}
Highland Lakes VFD {5.0}
Lake Placid Fire Rescue {5.0}
Avon Park Fire Dept. {5.0}
Highlands Park VFD {5.0}
Leisure Lakes VFD {4.1}
Lorida VFD {5.0}
Sun 'N Lakes VFD {5.0}
Sun 'N Lake Sebring Fire Dept. {5.0}

HILLSBOROUGH COUNTY

Plant City Fire Rescue {5.0}
Temple Terrace Fire Dept. {5.0}

HOLMES COUNTY

New Hope VFD {4.1}
Westville VFD {5.0}
Ponce de Leon VFD {4.1}
Pittman VFD {5.0}
Pine Log VFD {4.1}
Gritney VFD {4.1}
Bonifay VFD {5.0}
*Annual Summary
Esto VFD

INDIAN RIVER COUNTY

Indian River County Fire
Rescue {5.0}

- Fellsmere VFD
- Roseland VFD
- Sebastian VFD

JACKSON COUNTY

Cottdale VFD {5.0}
Campbellton VFD {4.1}
Marianna Fire Rescue {5.0}
Sneads VFD {4.1}
Jackson County Fire Rescue {5.0}
Alford VFD {5.0}

JEFFERSON COUNTY

Monticello VFD {5.0}
Jefferson County Fire Rescue {5.0}

LAFAYETTE COUNTY

Mayo VFD {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}
Montverde Fire Dept. {5.0}
Mount Dora Fire Dept. {5.0}
Mascotte Fire Rescue {5.0}
Lake County Fire Rescue {5.0}

- Altoona VFD
- Bassville Fire Dist
- Howey Fire Dept.
- Mount Plymouth VFD
- Pasco FCD
- Astatula VFD
- Sorrento Fire Dept.
- Astor VFD
- Picciola Area VFD
- Northwest Fire Dist
- Minneola VFD

LEE COUNTY

Tice Fire Prot & Rescue {4.1}
Bayshore Fire Rescue {5.0}
Cape Coral Fire Rescue
{5.0}
Estero Fire Rescue {5.0}
Bonita Springs Fire Rescue {5.0}
Captiva Island FCD {5.0}
North Ft Myers Fire Dist {5.0}
Sanibel Fire Rescue {5.0}
Fort Myers Fire Rescue {5.0}
Ft Myers Beach Fire Cont {5.0}
Ft Myers Shores Fire Dist {5.0}
South Trail Fire Rescue {5.0}

LEON COUNTY

Chaires Capitola VFD {5.0}

LEVY COUNTY

Inglis Fire Dept. {5.0}
Yankeetown VFD {5.0}
Cedar Key VFR {5.0}
Chiefland Fire Rescue {5.0}
Williston VFD {5.0}
Fowlers Bluff VFD {4.1}
South Levy VFD {5.0}
Otter Creek VFD {5.0}
Annual Summary
Morriston Montbrook VFD

LIBERTY COUNTY

*Annual Summary
Bristol VFD

MADISON COUNTY

Lee Fire Dept. {5.0}
Pinetta VFD {4.1}
Madison Fire Dept. {5.0}
Madison County VFD {5.0}
*Annual Summary
Cherry Lake Fire Rescue

MANATEE COUNTY

Longboat Key Fire Rescue {4.1}
West Manatee Fire Rescue {5.0}

- Westside Fire Dept.

Southern Manatee Fire Rescue {5.0}
Whitfield Fire Dept. {5.0}
Bradenton Fire Rescue {5.0}
Braden River Fire Dept. {5.0}
Myakka City Fire Dist {5.0}
Cedar Hammock Fire Rescue {5.0}
Parrish Fire Dist {5.0}
North River Fire Dist {5.0}

MARION COUNTY

Ocala Fire Dept. {5.0}
*Annual Summary
Dunnellon Fire Rescue

MARTIN COUNTY

Martin County Fire Rescue {4.1}
Stuart Fire Dept. {5.0}
*Annual Summary
Jupiter Island Public Safety

MIAMI-DADE COUNTY

Hialeah Fire Dept. {5.0}
Coral Gables Fire Dept. {5.0}
*Annual Summary
Village of Key Biscayne Fire Rescue
City of Miami Fire Rescue

MONROE COUNTY

Key West Fire Dept. {5.0}
Ocean Reef Public Safety {4.1}
Islamorada Fire Rescue {5.0}
Sugarloaf Key Fire Rescue {5.0}

NASSAU COUNTY

Hilliard VFD {4.1}
Fernandina Beach Fire Dept. {5.0}
Nassau Oaks VFD {5.0}
Nassau County Fire Rescue {5.0}
Callahan VFD {5.0}
Gray Gables/Nassau Village Fire
Dept. {5.0}
Bryceville VFD {4.1}
River Road Community VFD {5.0}
Yulee VFD {4.1}

OKALOOSA COUNTY

Destin FCD {5.0}
Florosa FCD {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}
Mary Esther VFD {5.0}
Niceville Fire Dept. {5.0}
Okaloosa Island Fire Dist {5.0}
North Bay Fire Dist {5.0}
Valparaiso VFD {5.0}
*Annual Summary
Dorcas Fire Dist

OKEECHOBEE COUNTY

Okeechobee Fire Dept. {4.1}

ORANGE COUNTY

City of Apopka Fire Dept. {5.0}
Maitland Fire Dept. {5.0}
City of Ocoee Fire Dept. {5.0}
Orlando Fire Dept. {5.0}
Winter Garden Fire Dept. {5.0}
Orange County Fire Rescue {5.0}

OSCEOLA COUNTY

City of 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}
Greenacres Dept. of Public Safety
{5.0}
City of Lake Worth Fire Rescue {5.0}
North Palm Beach Public Safety
{5.0}
City of Pahokee Fire Rescue {4.1}
Boca Raton Fire Dept. {5.0}
Delray Beach Fire Rescue {4.1}
Palm Beach Shores VFD {5.0}

Riviera Beach Fire Rescue {5.0}
South Bay Public Safety {5.0}
Tequesta Fire Rescue {5.0}
Palm Beach County Fire Rescue {4.1}
South Palm Beach Dept. of Public Safety {4.1}
Palm Beach Gardens Fire Dept. {4.1}
Manalapan Public Safety {4.1}

PASCO COUNTY

New Port Richey Fire Dept. {5.0}
Zephyrhills Fire Dept. {5.0}
City of Port Richey Fire Dept. {5.0}
Pasco County Fire Rescue {5.0}

PINELLAS COUNTY

Pinellas Suncoast Fire Rescue {4.1}
South Pasadena Fire Dept. {4.1}
Clearwater Fire Dept. {4.1}
City of Oldsmar Fire Rescue {4.1}
Largo Fire Rescue {4.1}
Lealman Fire Dept. {4.1}
Tarpon Springs Fire Dept. {4.1}
Pinellas Park Fire Dept. {4.1}
Gulfport Fire Dept. {4.1}
City of Dunedin Fire Dept. {4.1}
East Lake Tarpon Spec Fire Cont {4.1}
Madeira Beach Fire Dept. {4.1}
Palm Harbor Spec Fire Cont {4.1}
Safety Harbor Fire Dept. {4.1}
St Petersburg Fire Rescue {4.1}
St Petersburg Beach Fire Dept. {4.1}
Belleair Bluffs Fire Dept. {4.1}
City of Seminole Fire Rescue {4.1}
Treasure Island Fire Dept. {4.1}
St Pete/Clearwater Airport Fire Dept. {4.1}

POLK COUNTY

Auburndale Fire Dept. {5.0}
Davenport VFD {5.0}
Lakeland Fire Dept. {5.0}
Haines City Fire Rescue {5.0}
Lake Alfred Fire Dept. {5.0}
Bartow Fire Dept. {5.0}
Ft Meade Fire Dept. {5.0}
Lake Wales Fire Dept. {5.0}
Frostproof Fire Dept. {5.0}
City of Mulberry Fire Rescue {5.0}
Winter Haven Fire Dept. {5.0}
Dundee Fire Rescue {5.0}
*Annual Summary
Lake Hamilton VFD

PUTNAM COUNTY

Crescent City Fire Dept. {5.0}
Palatka Fire Dept. {5.0}
George's Lake Area VFD {5.0}
Florahome-Grandin VFD {5.0}
Southwest VFD {5.0}
Interlachen Lake Estates Fire Dept. {5.0}

Pomona Park-Lake Como VFD {5.0}
East Palatka VFD {4.1}
West Putnam VFD {5.0}
Hollister VFD {5.0}
Riverside VFD {4.1}
Bardin VFD {4.1}
Satsuma Fire Dept. {4.1}

SANTA ROSA COUNTY

City of Milton Fire Dept. {5.0}
Munson VFD {5.0}
Pace VFD {5.0}
Avalon Beach Fire Dept. {4.1}
Jay VFD {4.1}
Midway Fire Dist {5.0}
Skyline Fire Prot & Rescue Dist {5.0}
Holley Navarre Fire Prot Dist {5.0}

SARASOTA COUNTY

Englewood Area FCD {5.0}
City of Venice Fire Dept. {5.0}
*Annual Summary
North Port Fire Rescue

SEMINOLE COUNTY

Sanford Fire Dept. {5.0}
Oviedo Fire Dept. {5.0}
Seminole County Fire Dept. {5.0}
Casselberry Fire Rescue {5.0}
Winter Springs Fire Dept. {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 Dist {5.0}

SUMTER COUNTY

Sumter County Fire Rescue {5.0}

- Tri-County VFD
- Webster VFD
- Lake Panasoffkee VFD
- Bushnell VFD
- Wildwood VFD
- Royal VFD
- City of Coleman VFD
- Oxford VFD
- Croom-A-Coochee VFD
- Center Hill VFD

The Villages Public Safety Dept. {5.0}

SUWANNEE COUNTY

Branford VFD {5.0}
Live Oak Fire Dept. {5.0}
Suwannee County Fire Dept. {5.0}

- Dowling Park Fire Dept.
- Falmouth Fire Dept.
- Luraville Fire Dept.
- Wellborn VFD
- West Suwannee VFD
- McAlpin Fire Dept.
- O'Brien VFD
- Pine Grove VFD

- Ranchette VFD
- Stagecoach VFD
- Three Rivers VFD

TAYLOR COUNTY

Taylor County Fire Rescue {5.0}

UNION COUNTY

Lake Butler VFD {4.1}
Worthington Springs VFD {4.1}

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 {4.1}
Orange City Fire Dept. {5.0}
South Daytona Fire Dept. {4.1}
Port Orange Fire Rescue {5.0}
Volusia County Fire Serv {5.0}

- Daytona Beach Int'l Airport FD

*Annual Summary
Ponce Inlet Fire Rescue
Daytona Beach Fire Dept.

WAKULLA COUNTY

Wakulla VFD {5.0}

WALTON COUNTY

South Walton Fire Dept. {5.0}
Defuniak Springs Fire Dept. {4.1}
Tri-Village Fire Dept. {5.0}
Mossy Head-Oakwood Hills VFD {5.0}
United Fire Dist {4.1}
Liberty Fire Dist {5.0}
Argyle VFD {5.0}
Red Bay VFD {5.0}
Darlington-Gaskin Fire Dept. {5.0}
Glendale VFD {4.1}

WASHINGTON COUNTY

Country Oaks VFD {5.0}
Five Points VFD {5.0}
Hinson Crossroads VFD {5.0}
Orange Hill VFD {5.0}
*Annual Summary
Vernon Fire Rescue

The FFIRS Section would like to thank each of the fire departments responsible for making this report possible. In total, 402 departments reported for 2004. This annual report is the product of the compilation of information received from the fire 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 interested in participating in FFIRS, please contact our office at (850) 413-3698 or FFIRS@fdfa.com.



FLORIDA FIRE INCIDENT REPORTING SYSTEM FIRE DEPARTMENT SURVEY

Please take a moment to complete the following survey and return to the Florida Fire Incident Reporting System Section. We continue to improve our efforts in providing support, training and information to Florida fire departments.

Fire Department: _____
Fire Chief: _____
Mailing Address: _____

Physical Address: _____

Phone Number: _____ Fax Number: _____

FFIRS Administrator: _____
FDID Number: _____
Name of Reporting Software: _____

Users of the Federal Client Tool Only: Which version of the software is your department using? _____

Are you reporting On-Line or Off-line? _____

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

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

If not currently reporting to FFIRS, is your department providing statistics to another local or county department?

- Yes, please provide name of department _____

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

- Incident Reporting Codes
- Installation and Use of Federal Client Tool (Reporting Software)

Name/Phone Number of Contact Person if different from above: _____

Additional Comments: _____

Please return by using the following fax number or mailing address:

Fax: (850) 921-7525
Mailing Address: **Division of State Fire Marshal**
FFIRS Section
200 E Gaines St
Tallahassee, FL 32303-0340





