

Orange County Fire Authority 2010 Annual Report



“You Can Count on Us!”



Fire Chief's Message

I am pleased to present the 2010 OCFA Annual Report, which capsulizes many of our important activities for the year. As you will see in the pages to follow, there are many accomplishments of which we can be extremely proud. The services provided to our 1.4 million residents rivals any in the fire service, and we are focused daily toward raising the bar even higher for ourselves. The men and women of the Orange County Fire Authority will continue to set the standard for quality services through regional collaboration and exceptional partnerships with our member cities and the County of Orange.

During 2010, the OCFA Board of Directors adopted our revised Strategic Plan 2010-2015. This plan is the product of months of work and input from literally hundreds of stakeholders. The goals and objectives identified in the plan will be our playbook for the next five years to outline our priorities and to measure our performance. I encourage you to take a look at the Strategic Plan to get a better idea of where we are headed as a safety agency. The plan is available for your review on our website at www.OCFA.org under the *News & Events* heading, click on *Report/Documents*, and select *Strategic Plan*.

The year 2010 also presented the most severe financial challenges in the history of the OCFA. The economy continued its historic recession, and OCFA revenues plummeted as a result of falling tax revenue. I am extremely proud of the way OCFA addressed these challenges head on. From the leadership of our Board of Directors to the exceptional work accomplished by the staff and labor representatives, along with sacrifices made by every OCFA employee, we were able to make substantial headway on our fiscal sustainability. While we are still faced with ongoing budget challenges, the progress made in 2010 will assist us greatly in maintaining excellent service to our communities. I want to again express my personal thanks for the work done in this area.

With funding provided through our partnership with the City of Seal Beach, we opened a new Fire Station 48. The new 12,000 square foot station replaces a fifty-year-old facility and includes a community room and back-up Emergency Operating Center for the City. The station also has green design features, including solar panels built into the roof system. This beautiful facility was recognized as a distinguished project by the Western Council of Construction Consumers.

I hope that you enjoy reading about the tremendous effort put forth by the OCFA and appreciate what a truly remarkable agency serves your community. I am very proud of all the people who make the OCFA what it is, and am doubly proud to be counted among them.

Fire Chief
Orange County Fire Authority



Fire Chief
Keith Richter



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Orange County Fire Authority Firefighter Memorial
“Proud Traditions, Dynamic Future”
Created by Southern California Artist De L’Esprie

Constructed to Honor Orange County’s Heroes:
Our Firefighters

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We Are The OCFA

The Orange County Fire Authority (OCFA) is a Joint Powers Authority that serves as an all-risk emergency response agency for 1.4 million Orange County residents in 22 cities and the unincorporated areas of Orange County.

Many people ask why their city does not have its own fire department and why contracting with the OCFA is a better idea. OCFA's regional approach has many advantages for the 22 cities it protects. By pooling their resources, these cities can purchase additional fire engines and specialized equipment that most could not afford on their own. The OCFA does not allocate equipment based on city boundaries. Instead, all member cities have access to resources, including helicopters for brush fires and the use of sophisticated rescue equipment to save the lives of accident victims. More strategically located engines means shorter response times, thereby reducing the threat to both lives and property.

Formed in 1995, the OCFA is governed by a Board of Directors comprised of two members from the Orange County Board of Supervisors and one elected official from each of OCFA's 22 member cities. These Board Members meet regularly in open session to set policy, approve budgets, establish service levels, and provide fiscal oversight.

The Orange County Fire Authority takes great pride in the service we provide to you and the community, and we are committed to searching for ways to continually improve service to our customers in their time of need. Every customer that receives emergency assistance from the OCFA is asked to complete a Customer Satisfaction Survey to help us determine and evaluate the degree of satisfaction with services rendered by our Operations personnel during emergencies. The Orange County Fire Authority is very proud to report that it has maintained a 97% approval rating over the past eleven years, illustrating the superior interpersonal and professional skills of our firefighters and dispatchers.

As one of the largest fire departments in the State, the OCFA is comprised of six divisions and eight battalions, operating out of 61 fire stations. We have 862 firefighters/fire management, 6 executive chiefs, 277 professional staff, and 495 authorized reserve firefighters. OCFA's service area consists of 550 square miles, including 175,000 acres of wildland. In 2010, the OCFA responded to 87,519 emergency calls with 165,424 unit responses.

OUR MISSION AND VISION

MISSION

We enhance public safety and meet the evolving needs of our communities through education, prevention, and emergency response.

VISION

OCFA is a premier public safety agency providing superior services that result in no lives or property lost. We reach this through exceptional teamwork and strong partnerships in our community.



OCFA Headquarters

On July 1, 1936, the California Department of Forestry (CDF) opened a new headquarters at Chapman Avenue and Water Street in Orange with two residences, a 4-stall garage, barracks, a warehouse, and an office building. Growing demands for fire protection continued and in 1980 the CDF transitioned fire protection service to the County of Orange Fire Department for all unincorporated areas, 9 incorporated cities and state wildland areas within County boundaries. By the early 1990's, many cities had incorporated and contracted fire protection and emergency medical services through the Orange County Fire Department.



A bird's eye view of the Orange County Fire Authority Regional Fire Operations and Training Center



One of two new Orange County Fire Authority Bell 412EP helicopters hovers above the OCFA Regional Fire Operations and Training Center.

With the support of its city and county members, the Orange County Fire Authority (OCFA) was formed as a Joint Powers Authority on March 1, 1995.

Since the early days with the CDF, there was a distant dream of a new headquarters and training facility. That dream became a reality with the formal dedication of the Regional Fire Operations and Training Center on March 12, 2005.

The 20-acre site is located at the intersection of Jamboree and Tustin Ranch Roads in Irvine, California, between the Eastern Transportation Corridor and Jamboree Road, and borders the City of Tustin. The campus houses a 9-1-1 Emergency Communications

Center, a training center and drill grounds, a fleet maintenance center, material management center, and a public services and support center.



2010 Board of Directors

| | | | |
|---|---|---|---|
|   | <p>City of Aliso Viejo Population: 46,123 Area: 6.9 Square Miles OCFA Fire Station 57 Joined OCFA in 2001* Donald Garcia Board Member</p> |   | <p>City of Laguna Hills Population: 33,593 Area: 6.6 Square Miles OCFA Fire Station 22 Joined OCFA in 1991* R. Craig Scott Board Member</p> |
|   | <p>City of Buena Park Population: 84,141 Area: 10.0 Square Miles OCFA Fire Stations 61, 62, 63 Joined OCFA in 1994* Donald W. McCay Board Member</p> |   | <p>City of Laguna Niguel Population: 67,666 Area: 14.7 Square Miles OCFA Fire Stations 5, 39, 49 Joined OCFA in 1989* Gary Capata Board Member</p> |
|   | <p>City of Cypress Population: 49,981 Area: 6.9 Square Miles OCFA Fire Station 17 Joined OCFA in 1980* Todd Seymore Board Member</p> |   | <p>City of Laguna Woods Population: 18,747 Area: 3.3 Square Miles OCFA Fire Station 22 Joined OCFA in 1999* Martin Rhodes Board Member</p> |
|   | <p>City of Dana Point Population: 37,326 Area: 6.7 Square Miles OCFA Fire Stations 29, 30 Joined OCFA in 1989* Steven Weinberg Board Member</p> |   | <p>City of Lake Forest Population: 78,720 Area: 16.7 Square Miles OCFA Fire Stations 19, 42, 54 Joined OCFA in 1991* Mark Tettemer Board Vice Chair/Chair</p> |
|   | <p>City of Irvine Population: 217,686 Area: 66.2 Square Miles OCFA Fire Stations 4, 6, 20, 26, 27, 28, 36, 38, 47, 51, 55 Joined OCFA in 1980* Sukhee Kang Board Member</p> |   | <p>City of Los Alamitos Population: 12,270 Area: 4.2 Square Miles OCFA Fire Station 2 Joined OCFA in 1980* Ken Stephens Board Member</p> |
|   | <p>City of La Palma Population: 16,304 Area: 2 Square Miles OCFA Fire Station 13 Joined OCFA in 1980* Henry Charoen Board Member</p> |   | <p>City of Mission Viejo Population: 100,725 Area: 17.4 Square Miles OCFA Fire Stations 9, 24, 31 Joined OCFA in 1988* Trish Kelley Board Member</p> |

*Note: The joined date for each agency reflects the year in which they first became an independent agency protected by the State or County emergency response system. Prior to 1980, fire protection and emergency services in the unincorporated portions of Orange County and in certain cities within the county were provided by the California Department of Forestry. The Orange County Fire Department assumed responsibility in 1980. In 1995, the OCFA was formed as a successor agency to the Orange County Fire Department.



2010 Board of Directors

| | |
|--|---|
|   <p>City of Placentia Population: 52,305 Area: 6.6 Square Miles OCFA Fire Stations 34, 35 Joined OCFA in 1980* <i>Jeremy Yamaguchi</i> Board Member</p> |   <p>City of Tustin Population: 75,773 Area: 11.0 Square Miles OCFA Fire Stations 21, 37, 43 Joined OCFA in 1980* <i>Doug Davert</i> Board Member</p> |
|   <p>City of Rancho Santa Margarita Population: 49,945 Area: 13.0 Square Miles OCFA Fire Station 45 Joined OCFA in 2000* <i>Neil Blais</i> Board Chair</p> |   <p>City of Villa Park Population: 6,307 Area: 2.0 Square Miles OCFA Fire Station 23 Joined OCFA in 1980* <i>Brad Reese</i> Board Member</p> |
|   <p>City of San Clemente Population: 68,763 Area: 18.3 Square Miles OCFA Fire Stations 50, 59, 60 Joined OCFA in 1994* <i>Jim Dahl</i> Board Member</p> |   <p>City of Westminster Population: 94,294 Area: 10.1 Square Miles OCFA Fire Stations 64, 65, 66 Joined OCFA in 1995* <i>Tri Ta</i> Board Member</p> |
|   <p>City of San Juan Capistrano Population: 37,233 Area: 14.4 Square Miles OCFA Fire Stations 29, 30 Joined OCFA in 1980* <i>Mark Nielsen</i> Board Member</p> |   <p>City of Yorba Linda Population: 69,273 Area: 19.9 Square Miles OCFA Fire Stations 10, 32, 53 Joined OCFA in 1980* <i>Nancy Rikel</i> Board Member</p> |
|   <p>City of Seal Beach Population: 26,010 Area: 12.2 Square Miles OCFA Fire Stations 44, 48 Joined OCFA in 1982* <i>Gordon Shanks</i> Board Member</p> |   <p>County of Orange 3rd District Area: 276.4 Square Miles OCFA Fire Stations ** Joined OCFA in 1930* <i>Bill Campbell</i> Board Member</p> |
|   <p>City of Stanton Population: 39,779 Area: 3.1 Square Miles OCFA Fire Station 46 Joined OCFA in 1987* <i>David John Shawver</i> Board Member</p> |   <p>County of Orange 1st District Area: 276.4 Square Miles OCFA Fire Stations ** Joined OCFA in 1930* <i>Janet Nguyen</i> Board Member</p> |

** Note: Representatives to unincorporated OCFA Areas - OCFA Fire Stations 8, 11, 14, 15, 16, 18, 25, 33, 40, 41, 58

Population Source: CA Dept of Finance 01/01/2010 Area Source: Resources Development Mgmt Dept Land Use Planning Division 07/21/10



Serving the Community

The Corporate Communications Section of the OCFA is responsible for strategy development and implementation of community relations, media relations, and public outreach programs along with internal communications and marketing of programs for our employees. It is comprised of the **Public Information Office, Community Relations Section, and Multi-Media Services.** Corporate Communications provides community outreach and public information expertise, as well as audio-visual and graphics support to the entire organization and its affiliate agencies.

2010 HIGHLIGHTS

The Corporate Communications Section is tasked with making sure the residents who live and work in the 22 cities we serve are safe. Informing the communities and providing community outreach are just two of the platforms used. This past year, the Corporate Communications Section was busy refining the Video Newsletter, which goes out every month to our firefighters to inform them of current happenings within the organization. Staff members prepared the extensive Executive Summary that goes out every week to our Board of Directors, as well as intensive training DVDs and numerous Public Safety Announcements for a variety of departments within the OCFA. The Corporate Communications Section launched the monthly newsletter, *On the Front Line*, to keep communities abreast of OCFA happenings and events. Some major incidents the Corporate Communications team participated in include the December mudslide/flooding in Orange County (OC), as well as the Laguna Canyon Fire and Quarterhorse Fire.

OCFA Hosts its 5th Annual Open House

It's a familiar sound that can save your life and more than 3,200 residents had the opportunity to learn all about our new smoke alarm program, "Install•Inspect•Protect" at the 5th Annual Open House that was held at the Regional Fire Operations & Training Center in Irvine. Families watched live fire demonstrations, put out make-believe fires, took rides in fire engines, tried on firefighter turnouts, and discovered life and fire safety in a fun-filled environment. This event is held every year during "National Fire Prevention Week" to inform residents about current life and fire safety issues and trends.



Pool/Spa Safety Technician Pilot Program

A select group of employees took part in a pilot program with the National Drowning Prevention Alliance (NDPA), where they were trained as Pool/Spa Safety Technicians. The technicians went out to residential pool and spa homeowners, free of charge, to share the latest in safety recommendations, product options, swim lessons, and emergency preparation. Homeowners learned how to make their pools and spas safer. The data collected from this pilot program will be used to create a nation-wide program.

Spark of Love Toy Drive

The Community Relations Section was tasked with overseeing the annual Spark of Love Toy Drive, which is part of the Orange County Toy Collaborative. More



than 200,000 toys were collected in Orange County through the Collaborative, which includes the OC Firefighters-Spark of Love Toy Drive, the U.S. Marine Corps-Toys for Tots, OC Social Services-Operation Santa Claus, and St. Vincent de Paul-Holiday Charities. The Collaborative combined their efforts to collect new unwrapped toys and sports equipment. They



also work extensively to collect and distribute toys to Orange County children and their families who may otherwise go without during the holiday season.



Serving the Community

ABC's of Water Safety

Children drown without a sound. Learning the ABC's of water safety could help prevent this senseless tragedy. Drowning is the nation's number one killer of children under the age of 5, and is the second leading cause of death from unintentional injuries for ages 1 to 14. The majority of these accidents occur in residential swimming pools and spas. The OCFA, along with other Orange County Fire agencies, supports the ABC's of water safety, which includes:

- **A Adult Supervision:** It is important that the "water watcher" be somebody who is capable of swimming. Also, have more than one water watcher who can swim, if possible, and make sure there is a phone nearby to call 9-1-1 in the event of an emergency.
- **B Barriers:** In addition to barriers/layers, you should have multiple layers of protection such as safety covers, door alarms, gate alarms, and motion detectors to warn you of possible problems. For toilets, a toilet latch can be purchased, so small children cannot lift the cover.
- **C Classes:** Learning CPR is very important. "Learn to swim" classes are also extremely important for children. Stay calm when calling 9-1-1 and make sure to clearly and calmly state information and listen for instructions as quick action could save your child's life.

Drownings happen not only in pools and oceans, but also in areas such as bathtubs, buckets, toilets, and even in standing water as shallow as 2 feet. **They also happen year round!** Please be diligent to ensure that children



are closely attended around the water. The ABC's of water safety is something that cannot be taken lightly. Many drownings occur even when there are large gatherings of people nearby, so you cannot leave the responsibility solely to a lifeguard.



We need to bridge the gap between adult drowning prevention awareness and children learning the water safety rules, to

prevent further drowning tragedies. Looking away for just a few seconds could result in a lifetime of regret. In 2010, OCFA responded to 29 non-fatal drownings and 8 fatal drownings. With your help, these numbers can be reduced to zero.

Trevor Win'E Memorial Challenge

The Win'E family created this event to honor their son, Army SPC Trevor Anthony Win'E, who was killed in action near Mosul, Iraq in 2004.

More than 24 teams competed in the 5th Annual Trevor Win'E Memorial CrossFit Challenge on Memorial Day. This event raises money to purchase cooling vests for soldiers deployed overseas. There were three workouts to choose from, and 4, 6, or 8 members competed on each team. Each person paid \$50 to participate, and the donation

went toward the purchase of a cooling vest that reduces heat stress and keeps soldiers cool during



the hot months in the desert. The goal of this year's Challenge was to send 250 cooling vests to our military personnel going overseas.

For additional information about community events and programs, please contact the Community Relations Section at (714) 573-6200, or visit OCFA's website at www.ocfa.org.



Contributing to Community Safety

The Fire Prevention Department’s mission is to continue to “contribute to community safety and prosperity through the systematic mitigation of risk.” This mission is accomplished through the identification and analysis of community risk; development, implementation and enforcement of laws and regulations; education and distribution of information to the community; and a dedication to excellence. The goals are to 1) Reduce injuries, loss of life, and loss of property; 2) Provide effective, efficient, and quality service; 3) Create and maintain collaborative working relationships with customers; and 4) Create a Fire Prevention team that models a dedication to excellence. The Fire Prevention Department is comprised of four sections: **Investigation Services** identifies our risks through accurate incident investigation and evaluation and initiation of intervention strategies. Staff in this section investigates or reviews all fires to accurately identify the cause and contributing factors. **Planning & Development Services** assists stakeholders in building safe communities. Some of its activities include working with the development community and partner agency planning and building staff to ensure new tracts and projects meet state and local fire and life safety requirements. **Safety & Environmental Services** assists stakeholders in maintaining and enhancing safe communities. Activities include managing fire safety programs for existing buildings, issuing fire code and special activity permits, and investigating complaints from the general public regarding potential fire hazard conditions. **Pre-Fire Management Services** examines our communities’ risks and identifies appropriate intervention strategies. The Wildland Unit focuses on preventing and mitigating the impacts of wildfires throughout our jurisdiction and facilitates the development of *Fire Adaptive Communities*.



All four Sections work interdependently and with other OCFA Departments to achieve these goals. Efforts are focused on improving our capacity to analyze community risks and provide targeted

prevention services to high-risk community members, as well as our ability to develop sustainable intervention programs that are effective at reducing known risks.

2010 HIGHLIGHTS

In 2010, the Department completed the fourth year of the Fire Prevention Strategic Action Plan that is transforming fire prevention programs from traditional, regulatory, and mandate-driven programs to dynamic programs that target specific community risks and reduce loss of life, injuries, and property damage. Led by a highly-motivated and productive Fire Prevention Team, significant progress was made on several initiatives which positively impact service delivery.

Risk Identification

The Investigations Services Section continued to train all Fire Captains on determination and documentation of fire cause to the level necessary for intervention. This necessitates additional data collection on not only what started the fire, but how and why it started and spread, and who was involved, including actions before, during

and after the fire. As a result, OCFA’s fire data



continues to improve in accuracy and reliability and now

presents a clear picture of the fire problem in the communities we serve. The data from 2005 through 2009 was used to identify the top fire risks in terms of death, injury, and property loss.

The Risk Analysis and Mitigation Evaluation unit then analyzed the data to develop risk profiles on the top four fire risks that continue to threaten our communities. These profiles provide the targets for development of new programs that will begin to decrease injuries to our residents and business owners, as well as reduce the loss of lives and property to fire.

The Fire Prevention Department designed three new programs this year and all are under various stages of implementation. All programs are geographically and demographically targeted and employ a combination of strategies including educational, engineering, and enforcement solutions. Each program also has specific partners that will ensure long-term sustainability.



Contributing to Community Safety

Wildfire Mitigation: Our Ready, Set, Go! wildfire mitigation program addresses the number one risk to our communities in terms of injuries and property loss, as well as environmental and watershed resources (no deaths to date). Initial program pilots had varying degrees of success and the current pilot builds on these successes, while attempting to mitigate the challenges. The program goals stress personal responsibility for understanding and mitigating wildfire risks, and personal contact continues to be the focus. However, technology is also being employed to more efficiently deliver the message.

The approach combines wildland fire planning and mitigation actions with community development and outreach through a web-based portal. The project allows OCFA to assess the risk of wildfire at the community level, develop and monitor mitigation alternatives, and share data directly with homeowners and community managers. The key elements of the project include:

- A web-based portal that provides a shared awareness between OCFA and the homeowners of the risk of wildfire. The portal provides a mechanism for OCFA and homeowners to communicate on specific fire mitigation actions that each can implement.



An Assessment Framework that translates state designated wildland fire hazard assessments into community and parcel-based fire risk assessments, which are then used to support community planning and development. This framework was developed through a stakeholder engagement process bringing together diverse perspectives ranging from community development to emergency response.

Cooking Fire Prevention: Cooking fires in the home are the leading cause of fires, fire injuries, and fire deaths. OCFA responds to a cooking fire every 72 hours, and one in three of these fires spread to the building or structure causing significant damage. More than one in every four fire deaths is a result of a cooking fire.



Incident data helps target the cause of the problem, as well as the demographics: Laguna Woods, La Palma, San Juan Capistrano, and Seal Beach experience the largest per capita number of fires. While older adults (70+ years) suffer the highest per capita injury rate, 20–29 year olds are the most frequently injured.

The program will focus on the specific causes of fires, the mechanism of injury, and will target the vulnerable populations within the identified geographic regions.

Multi-family Risk Reduction Program: OCFA responds to a fire in a multi-family residential property every 36 hours. The annual losses average \$7 Million, with 5 deaths, and 119 injuries in the last 5 years. These homes have the highest fire rate of any occupancy, and the state mandated inspection program is having little impact on the problem.

This new program will implement a system for the effective and efficient delivery of fire and life safety messages that reach the occupant and change behavior or otherwise reduce losses in multi-family occupancies. Messages and strategies developed for other programs will be incorporated into the multi-family safety strategy, maximizing impact and synergy, and increasing overall efficiency. Both the Orange County Apartment Association and the Association of Orange County Apartments have agreed to partner with OCFA in piloting and implementing the program.



Contributing to Community Safety

Increased Effectiveness Through Partnerships & Marketing

Organizational and community partnerships are critical to the success of all fire prevention efforts. Every program has a community partner to help ensure buy-in and sustainability.



All programs also have marketing plans to assist in reaching targeted areas and people with messages that will result in behavioral change.

Smoke Alarm Partners: OCFA has attempted to increase public awareness for the importance of working smoke alarms in all sleeping areas for over 30 years. This year, a formal program was implemented that uses

partnerships and marketing strategies to more effectively reach residents. Areas most likely to have missing or inoperable smoke alarms were identified, prioritized, and mapped.

Smoke alarms are donated or purchased with grant funding, and service groups are sought and trained to install the alarms and



educate homeowners on their importance and maintenance.

Service groups then canvass the high risk neighborhoods, installing smoke alarms door-to-door, and/or by appointment.

Law Enforcement Partners: The strongest partnerships to date continue to be with law enforcement agencies. The Fire Investigations Services Section (ISS) and all ten local law enforcement agencies work together

to effectively investigate crimes of arson. Additionally, ISS and the Irvine Police Department (IPD) completed a pilot “Arson Abatement” program, implemented through a police detective assigned to OCFA as the Arson Abatement Officer (AAO).

The AAO worked with OCFA staff and the City to develop and coordinate the dissemination of educational and informational materials to at-risk communities and facilities. In addition, staff developed and engaged community advocates in deterrent programs.

The AAO also coordinated closely with the Irvine Police Department on criminal follow-up, with close tracking of each incident to identify trends, serve as a deterrent, and to improve the probability of bringing those responsible to justice.

The results of the pilot were positive. Between 2007 and 2010, the following trend in arson rates has been realized:

- 58% decrease in Irvine
 - 72% decrease in juvenile arson, the focus of the program
- 63% decrease county-wide
 - 54% decrease in juvenile arson
- Solved 37.5% of cases
 - National average is 18.5%

Specifically, the program has improved the awareness of OCFA and IPD staff to the crime of arson; instituted an educational program in all city intermediate



Participants in Video Production

and high schools, as well as other locations; “hardened” the targets most frequently hit by arsonist (parks, schools, and community centers); and improved the effectiveness and efficiency of OCFA staff assigned to Investigations.

The pilot was reviewed by the OCFA Board of Directors and was unanimously approved for continuation and expansion.



Contributing to Community Safety

School Partners: OCFA’s community educators partner with Orange County school districts to deliver fire and life safety lessons.

Team Fire Force (TFF) continued a slow growth in 2010. Geared toward fourth grade students, TFF has had an incredible reception and is now being used



by area fire agencies, as well as the OCFA. The Education Specialists provide this program free of charge, complete with curriculum materials for students and teachers, certificates of completion, and OCFA pins. Currently, the TFF curriculum meets 15 California State Educational Content Standards for fourth grade students, including standards in Language Arts, Science, and Health. OCFA continually evaluates the TFF program through ongoing research, study, and implementing ways to improve and meet the fourth grade students’ learning needs more adeptly. Assessment, data control, and collection have been incorporated into the design of the curriculum. The anticipated result is the potential to identify and predict community risk factors, as well as to recognize what the youth in our local area may know and understand.

New Construction Codes Targeting Highest Risks Are Adopted

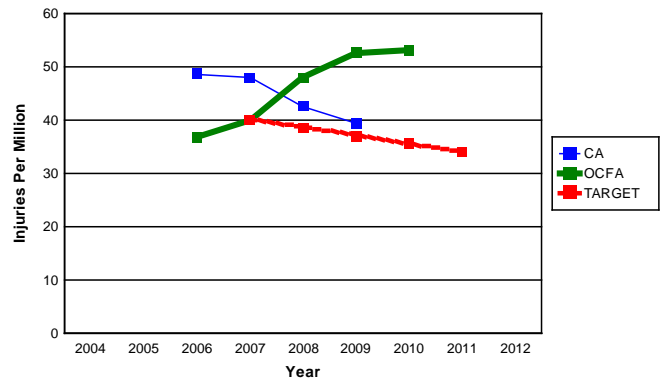
OCFA’s number one goal is to protect lives. While the Fire Prevention Department continues to evaluate the fire problem and works on development of new educational and enforcement programs to prevent the fire from occurring, work continues on engineered solutions that mitigate the impacts of a fire.

New codes were drafted at the national level and staff worked with all 23 partner agencies to amend and adopt them for use in Orange County, effective January 1, 2011. Two critical solutions were incorporated into the national construction codes and Fire Prevention staff worked at both the national and state level, as well as locally, on the adoption process.

Fire Sprinklers: Fires in homes account for over 90% of fires, fire deaths, injuries, and property loss in the communities we serve. Fire sprinklers continue to prove

themselves as the most effective tool in protecting life and property from the impacts of fire. Both the national and state fire and building codes will now have provisions requiring that all new homes are protected by residential fire sprinkler systems. The impacts will be significant over time as death and injury in buildings protected by fire sprinklers are extremely rare and the property loss is a fraction of what would occur in a home without fire sprinklers.

3-year Rolling Average



In 2010, 40 of the 235 buildings that experienced a fire were protected by fire sprinklers (17%). Those 40 buildings suffered only 45% of the fire damage as compared to the buildings without fire sprinkler protection, an average of \$55K per fire versus \$123K per fire. It is notable that this does not take into account the majority of fires in which the sprinkler system held the fire to the object of origin, preventing ignition of the home or business.

Hardened Homes in High Fire Danger Areas:

California construction codes also contain provisions for construction of homes in communities at-risk from wildfire. These provisions are referred to as “home hardening.” Protection of areas most vulnerable to embers and radiant heat from wind and vegetation fueled fires are constructed to resist heat and ember intrusion. Together with good vegetation management, an “ignition resistant zone” is created around homes in high risk areas. Coupled with the Ready, Set, Go! Program, fire loss due to wildfire is certain to decline.

For additional information about Planning & Development Services, Safety & Environmental Services, Investigation Services, or Pre-Fire Management, please contact the Fire Prevention Department at (714) 573-6000, or visit OCFA’s website.



Optimizing the Future

The OCFA Operations Department is divided by 6 divisions and 8 battalions that include 61 fire stations and provides regional emergency response to all fires, medical aids, rescues, hazardous materials incidents, wildland fires, and aircraft fire and rescue services to John Wayne Airport. This department is also responsible for specialized emergency response capability and equipment for **Urban Search and Rescue (USAR)** and **Swift Water Rescue**, administration of the **Reserve Firefighter and Fire Explorer Programs**, **Emergency Planning & Coordination**, **Emergency Command Center** (dispatch center), **Emergency Medical Services**, **Special Operations** (helicopters, crews/equipment), **Training and Safety**, and the **Volunteer Chaplain Program**.

On September 23, 2010, personnel from fire and law agencies throughout California honored the life and passing of OCFA Firefighter/Paramedic Jim Owen at Mariner's Church in the City of Irvine.



Jim Owen Memorial Service

Special Operations (OCFA Helicopter, Fire Crew, and Heavy Equipment)

During 2010, the Special Operations Section implemented the following improvements to the OCFA:

- Night Helicopter Operations
- 22 Person Career Hand Crew
- Prepared the Camp 18 (Trabuco Canyon) facility for the Hand Crew program
- Improvements for Fire Station 41 (Fullerton Airport)
- Completed a Memorandum of Agreement with Orange County Waste Management and Recycling for major incident support of heavy equipment.



Career Hand Crew Graduation

2010 HIGHLIGHTS

Advanced Training Exercises

In an on-going effort to remain on the cutting edge of providing superior emergency services, OCFA personnel participated in numerous advanced training exercises. These opportunities, among others, included:

Tonner Canyon Wildland Scrimmage: A 3-day, multi-agency wildfire drill designed to share command and control, communication, and strategic and tactical concepts among agencies likely to respond to incidents in north Orange County/south Los Angeles County areas.

Air Operations Night Vision Goggle Training: On-going training throughout the year.



Night Vision Goggles

Multi-Agency Night Air Operations Drill: This exercise held in the Irvine Lake area involved air assets from many agencies throughout Southern California, including CAL FIRE.

OCFA/CAL FIRE Exchange Program: This on-going program was established as a joint learning opportunity between CAL FIRE and OCFA. The program affords the opportunity for on-duty OCFA personnel to “ride-along” with CAL FIRE personnel to exchange both ideas and knowledge.



Optimizing the Future

Camp Pendleton Fire School: A 5-day, multi-agency exercise utilizing live fire to practice wildland incident management and fire suppression skills.

Great Southern California Shake-Out: An exercise designed to rehearse the region’s earthquake response plan.

Chief Officer Workshops: Implemented throughout the year, these sessions are designed to improve the command and control skills of the Incident Commander, present an opportunity for personnel to review standard operating procedures, reinforce philosophies of leadership, and share experiences of lessons learned in the field.



E26 and E126

Operations Training and Safety

The OCFA is committed to ensuring that the communities it serves are protected by the most professional and highly-trained firefighters possible. In addition to the recurring education and training conducted to hone and maintain the skills of OCFA’s entire workforce, the Operations Training and Safety Section in cooperation with the U.S. Forest Service (USFS) and CAL FIRE conducted several Incident Command System (ICS) classes that were opened up to our partner cities within Orange County. The section also conducted the following basic training academies for new employees and newly promoted personnel.

- One Fire Apparatus Engineer (FAE) Academy was conducted in 2010. There were 15 students in the academy. Upon promotion, the new FAE’s will be responsible for the maintenance and operation of apparatus and equipment, as well as engineering the safe and efficient flow of water at a fire incident.

Community Volunteer Services

- Implemented modifications to the Reserve Firefighter Program as directed by the Board of Directors.
- Two Reserve Firefighter Academies were implemented during the year. One graduated in 2010 while the other will graduate in 2011. A total of 94 recruits started the two academies, and 56 remain as active participants.
- The annual OCFA Fire Explorer Academy was held during July. This program reaches out and mentors youths between the ages of 14 and 21, who are interested in the fire service. Explorers learn the different skills a firefighter must possess while also developing personal relationships, character, and leadership abilities needed in this line of work as well as life. In order to participate in this worthy program, the candidates must be a registered member of the Learning For Life (LFL) Exploring subsidiary, be free of any physical defects that would cause personal injury or jeopardize other participants in the program, have no serious arrests or convictions, maintain fire safe grooming standards, and must maintain an overall grade point average of at least a 2.0 (C) while in high school.

Major Incidents

Wildland Incidents: Although the 2010 wildland fire season had fewer than normal incidents, the Orange County Fire Authority responded to several vegetation fires both within and outside of Orange County. Through the efforts of OCFA personnel and mutual aid partners, all of the fires were held to minimal acreage. Major incidents include:



River Fire

- **River Fire** – This fire burned near the Orange and Riverside County line in the “Mutual Threat Zone.” OCFA units assisted Corona City and CAL FIRE during this fire.



Optimizing the Future

- **Irvine Fire** –Fireworks caused this fire on July 4, 2010, burning over 100 acres inside of Irvine Park.
- **Shady Canyon Fire** – Apparently started by a golf club striking a rock, this fire burned 20 acres near the Strawberry Farms Golf Course on August 28, 2010.
- **Quarterhorse Fire** – While small in acreage, this fire in the City of Yorba Linda provided the first test of the OCFA Night Helicopter program on September 4, 2010.
- **Long Canyon Fire** – OCFA units assisted the USFS in suppressing this fire in the Ortega Highway area on September 23, 2010. One USFS engine was damaged and several CAL FIRE and USFS personnel were transported to local hospitals for heat related issues.
- **Mutual Aid** - OCFA units and personnel provided mutual aid to the following major wildland incidents: Skinner (Riverside County), West (Kern County), Crown (Los Angeles County), Monte (San Diego County), and Cowboy (San Diego County).

USAR: FEMA Orange County Task Force 5 was activated for deployment to assist with the Haiti Earthquake. While the task force never arrived in Haiti, it proved a valuable training event for all those involved.

Major Structure Incidents: While there were many structure fire responses in 2010, the combined efforts of fire prevention systems and firefighter training held these fires without incident. The notable exception follows.

- **Tustin Incident:** A multiple-alarm fire destroyed a large portion of a two-story, non-sprinklered office building on the morning of November 30, 2010. Numerous area fire agencies provided assistance.



Tustin Fire

December Floods: Unusually heavy rainfall resulted in extensive damage and multiple swiftwater rescues throughout Orange County in December 2010.

- **Silverado** – The canyon areas of Blackstar, Silverado, Williams, Trabuco, and Modjeska all experienced excessive runoff and flooding. The area was managed by OCFA personnel. Crews assisted homeowners with evacuations.
- **Trabuco Rescue** – Rapid rainfall trapped numerous persons during the nighttime hours of December 20. Trapped persons were evacuated with the assistance of the OCFA Special Operations Section using OCFA dozers and helicopters with the assistance of USAR trained personnel.
- **Laguna Beach** – OCFA provided personnel to assist the City of Laguna Beach during the flooding in the city limits.

Community Outreach

Fill the Boot and Summer Camp Benefiting MDA: For many years the Muscular Dystrophy Association (MDA) has been teaming up with fire departments all over the U.S. to “Fill the Boot.” Once a year, Career and Reserve Firefighters, and Fire Explorers, extend a turnout boot and accept donations from the general public. The year 2010, proved to be no different as OCFA walked up and down major streets in Orange County for the benefit of helping out this worthy cause. In support of the extensive volunteering by our men and women for this cause, the OCFA Board of Directors regularly proclaims the month of April as “Muscular Dystrophy Awareness Month.”

OCFA personnel also volunteered their time as camp counselors at the Orange County Muscular Dystrophy Summer Camp at the campus of Loyola Marymount University in Los Angeles. Apart from a visit with a fire engine and a chance to operate a fire hose, the children attending camp made fast friends with firefighters and staff employees who spent the week participating in a variety of camp activities.





Optimizing the Future

United Way Campaign: The United Way partners with individuals and organizations to develop plans that proactively deal with critical health and human care issues, which ultimately build self-sufficient lives for these people in need. In May, the OCFA kicked off its Annual United Way Fund Raising Campaign. Battalion campaign representatives provided presentations to field personnel, and despite the struggling economy, this year's United Way Campaign proved very successful.

Open Airways for Schools in Association with the American Lung Association: In conjunction with the American Lung Association and St. Jude Hospital, the OCFA continues to participate in asthma education to at-risk children in elementary schools throughout the County. The program educates children to better manage their asthma, as well as helps parents cope with this potentially serious respiratory condition. Through a six-week program taught by on-duty firefighters and staff members, children learned to monitor their respiratory efforts and avoid triggers that may cause an asthma attack.



Laguna Hills High School Mock DUI Exercise

“EVERY 15 MINUTES” Mock DUI Exercises: The OCFA was one of several agencies that participated in a nationwide anti-drunk driving program, “Every 15 Minutes,” at numerous high schools within Orange County. The program stresses to teenagers the after effects of drunk driving at any age because, “Every 15 minutes someone in the U.S. is killed or injured by a drunk driver.” These programs took place at Capistrano Valley, Dana Hills, Tesoro, Laguna Hills, El Toro, and J. Serra Catholic High Schools.

These mock Driving Under the Influence (DUI) exercises teach teenagers the reality and demonstrate the consequences of driving under the influence of alcohol and/or drugs by simulating live DUI car crashes involving intoxicated students. The mock crashes simulate deaths, serious injuries, and/or incarcerations of participating students, and also demonstrate impacts on the student’s families and friends.

These exercises are sponsored by Friends Against Drinking and Driving (FADD). Other agencies participating in the program include the Orange County Sheriff-Coroner Department, California Highway Patrol, Mission Hospital, Medix Ambulance, TIP (Trauma Intervention Program), O’Connor Mortuary, and S & K Towing.



Trevor A. Win’E Crossfit Challenge

Other Notable Events: Along with previous events, in 2010 the OCFA family was involved in numerous charitable events including: Adopt a Needy Family, Walk for Wishes, Alzheimer’s Walk, Support Our Troops Campaigns, American Red Cross Blood Drives, March of Dimes, Donelan/Wall Softball Tournament, Working Wardrobes, Race for the Cure, Spark of Love Toy Drive, OCFA Health Fair, Read Across America, Trevor A. Win’E Memorial Crossfit Challenge, American Cancer Society Daffodil Days, and other similar activities.

For additional information about how the OCFA responds to fire and medical emergencies, please contact the OCFA at (714) 573-6000, or visit OCFA’s website at www.ocfa.org.



OCFA Responses by Unit

| Air Utilities | # Responses |
|---------------|-------------|
| A30 | 30 |
| A2 | 20 |

| Battalion Chiefs | # Responses |
|------------------|-------------|
| B4 | 467 |
| B8 | 359 |
| B3 | 357 |
| B6 | 356 |
| B5 | 298 |
| B1 | 292 |
| B7 | 261 |
| B2 | 219 |
| Staff BCs | 172 |

| Engines | # Responses |
|----------|-------------|
| PM E222* | 3764 |
| PM E22* | 3692 |
| PM E61* | 3537 |
| PM E19 | 3114 |
| PM E29 | 3099 |
| E48 | 2850 |
| E21 | 2795 |
| PM E46 | 2696 |
| PM E34 | 2688 |
| PM E64 | 2567 |
| PM E24 | 2512 |
| PM E66 | 2426 |
| E7 | 2323 |
| PM E6 | 2315 |
| PM E36 | 2300 |
| PM E62 | 2275 |
| PM E65 | 2111 |
| PM E60 | 2083 |
| E26 | 2037 |
| PM E9 | 1948 |
| PAU E37 | 1908 |
| E31 | 1880 |
| PAU E28 | 1833 |
| E57 | 1789 |
| E4 | 1745 |
| PAU E13 | 1652 |
| PAU E63 | 1640 |
| PAU E25 | 1632 |
| PAU E30 | 1629 |
| PAU E39 | 1592 |
| PAU E35 | 1544 |
| PAU E50 | 1534 |
| PM E51 | 1496 |
| E45 | 1452 |
| E38 | 1440 |
| E17 | 1435 |

| Engines | # Responses |
|----------|-------------|
| PAU E10 | 1429 |
| PAU E2 | 1340 |
| E5 | 1315 |
| PM E23 | 1234 |
| E32 | 1180 |
| PM E58 | 1174 |
| PAU E54 | 979 |
| PAU E44 | 958 |
| PM E20 | 812 |
| PAU E55 | 750 |
| PAU E47 | 746 |
| PAU E8 | 568 |
| PAU E53 | 500 |
| PAU E40 | 442 |
| PAU E42 | 412 |
| PM E27 | 391 |
| E131 | 239 |
| PAU E18 | 218 |
| E318 | 203 |
| R E3 | 143 |
| R E11 | 112 |
| PAU E15 | 108 |
| E315 | 99 |
| R E16 | 96 |
| R E223 | 60 |
| R E14 | 55 |
| E339 | 52 |
| E307 | 47 |
| E342 | 46 |
| E355 | 43 |
| E353 | 33 |
| E327 | 29 |
| E340 | 29 |
| E347 | 29 |
| E330 | 27 |
| E350 | 14 |
| E362 | 14 |
| Temp Eng | 233 |

| Emergency Transport | # Responses |
|---------------------|-------------|
| ET66 | 2608 |
| ET50 | 2805 |
| ET64 | 2171 |

| Services Support | # Responses |
|------------------|-------------|
| S91 | 97 |

| Haz Mat | # Responses |
|---------|-------------|
| H4 | 83 |
| H204 | 41 |



OCFA Responses by Unit

| Crews | # Responses |
|-------|-------------|
| G18 | 40 |
| G1A/B | 24 |

| Dozers | # Responses |
|--------|-------------|
| K2 | 47 |
| K1 | 36 |
| K3 | 13 |

| Water Tenders | # Responses |
|---------------|-------------|
| W7 | 61 |
| W16 | 41 |
| W40 | 35 |
| W10 | 25 |
| W18 | 12 |
| W20 | 8 |
| W41 | 6 |

| John Wayne Airport | # Responses |
|--------------------|-------------|
| Crash 1 | 392 |
| Crash 3 | 302 |
| Crash 4 | 131 |
| Crash 5 | 101 |
| Crash 2 | 97 |
| Foam 36 | 3 |

| Helicopters | # Responses |
|-------------|-------------|
| HC2 | 131 |
| HC1 | 116 |
| HC3 | 49 |
| HC4 | 6 |

| Helicopter Support | # Responses |
|--------------------|-------------|
| HT41 | 13 |
| HS41 | 9 |

| Paramedic Vans | # Responses |
|----------------|-------------|
| M21 | 3364 |
| M48 | 2977 |
| M17 | 2856 |
| M26 | 2416 |
| M4 | 2283 |
| M7 | 2175 |
| M31 | 2042 |
| M57 | 1972 |
| M5 | 1761 |
| M45 | 1723 |
| M38 | 1416 |
| M32 | 1381 |
| M20 | 298 |
| Temp Med | 5 |

| Patrols | # Responses |
|---------|-------------|
| P7 | 468 |
| P26 | 462 |
| P21 | 368 |
| P30 | 326 |
| P32 | 171 |
| P10 | 134 |
| P11 | 133 |
| P18 | 113 |
| P16 | 107 |
| P23 | 94 |
| P40 | 87 |
| P14 | 75 |

| Squads | # Responses |
|--------|-------------|
| S19 | 648 |
| S24 | 430 |
| S25 | 241 |
| S2 | 222 |
| S13 | 204 |
| S3 | 135 |
| S44 | 88 |
| S30 | 20 |
| S26 | 15 |
| S10 | 13 |
| S32 | 13 |
| S16 | 8 |
| S21 | 7 |

| Trucks | # Responses |
|--------|-------------|
| T22 | 1578 |
| T59 | 1312 |
| T4 | 1211 |
| T49 | 1077 |
| T61 | 1033 |
| T9 | 1012 |
| T46 | 846 |
| T34 | 829 |
| T64 | 811 |
| T6 | 785 |
| T43 | 764 |
| T45 | 748 |
| T17 | 663 |

PAU - Paramedic Assessment Unit
 PM - Paramedic Engine
 R - Reserve Engine
 * - Enroute, not dispatched



Responses by Jurisdiction

Total Unit Responses by Jurisdiction

January 1 – December 31, 2010

| Jurisdiction | Unit Responses |
|--------------------------|----------------|
| Aliso Viejo | 4,002 |
| Buena Park | 8,473 |
| Cypress | 5,045 |
| Dana Point | 5,165 |
| Irvine | 21,674 |
| La Palma | 1,570 |
| Laguna Hills | 4,449 |
| Laguna Niguel | 6,358 |
| Laguna Woods | 7,042 |
| Lake Forest | 7,913 |
| Los Alamitos | 2,317 |
| Mission Viejo | 10,054 |
| Placentia | 4,693 |
| Rancho Santa Margarita | 4,299 |
| San Clemente | 8,283 |
| San Juan Capistrano | 5,368 |
| Seal Beach | 7,524 |
| Stanton | 3,194 |
| Tustin | 8,526 |
| Villa Park | 769 |
| Westminster | 13,179 |
| Yorba Linda | 5,980 |
| Total City | 145,877 |
| Unincorporated | 15,127 |
| In County Mutual Aid | 3,941 |
| Out of County Mutual Aid | 479 |
| Total | 165,424 |



Incidents by Major Category

Total Incidents by Major Category

January 1 – December 31, 2010

| Jurisdiction | Fires | EMS | Other | Total |
|--------------------------------------|--------------|---------------|---------------|---------------|
| Aliso Viejo | 29 | 1,437 | 600 | 2,066 |
| Buena Park | 85 | 4,064 | 1,473 | 5,622 |
| Cypress | 45 | 1,783 | 725 | 2,553 |
| Dana Point | 40 | 1,904 | 911 | 2,855 |
| Irvine | 243 | 7,517 | 4,429 | 12,189 |
| La Palma | 11 | 541 | 190 | 742 |
| Laguna Hills | 42 | 1,963 | 642 | 2,647 |
| Laguna Niguel | 46 | 2,286 | 853 | 3,185 |
| Laguna Woods | 16 | 3,323 | 1,068 | 4,407 |
| Lake Forest | 83 | 3,098 | 1,196 | 4,377 |
| Los Alamitos | 27 | 772 | 244 | 1,043 |
| Mission Viejo | 92 | 4,794 | 1,490 | 6,376 |
| Placentia | 59 | 1,879 | 845 | 2,783 |
| Rancho Santa Margarita | 25 | 1,498 | 531 | 2,054 |
| San Clemente | 58 | 2,634 | 1,167 | 3,859 |
| San Juan Capistrano | 42 | 1,841 | 693 | 2,576 |
| Seal Beach | 33 | 2,624 | 696 | 3,353 |
| Stanton | 44 | 1,764 | 669 | 2,477 |
| Tustin | 85 | 2,879 | 918 | 3,882 |
| Villa Park | 4 | 232 | 152 | 388 |
| Westminster | 81 | 4,364 | 1,345 | 5,790 |
| Yorba Linda | 42 | 2,059 | 834 | 2,935 |
| Unincorporated | 97 | 4,117 | 1,844 | 6,058 |
| Subtotal (OCFA Jurisdictions) | 1,329 | 59,373 | 23,515 | 84,217 |
| In County Mutual Aid | 127 | 1,250 | 1,667 | 3,044 |
| Out of County Aid | 16 | 103 | 139 | 258 |
| Total Incidents | 1,470 | 60,726 | 25,323 | 87,519 |



Statistical Summary

January 1 – December 31, 2010¹

| | 2007 | 2008 | 2009 | 2010 |
|------------------------------|-----------------|---------------------------|-----------------|-----------------|
| Population Served | 1,364,851 | 1,383,617 | 1,389,189 | 1,403,072 |
| Dwelling Units | 481,958 | 486,152 | 488,266 | 491,597 |
| Assessed Values ² | 206,643,954,214 | 213,904,735,187 | 209,816,588,278 | 208,586,180,604 |
| Fires | 2,257 | 1,703 ³ | 1,540 | 1,329 |
| EMS | 58,252 | 59,998 | 60,197 | 60,792 |
| Ruptures | 202 | 171 | 166 | 157 |
| Hazmat | 1,497 | 1,289 | 978 | 1,135 |
| Service Call | 5,383 | 5,706 | 5,437 | 6,182 |
| Good Intent | 12,314 | 12,328 | 12,424 | 12,874 |
| False Alarms | 4,920 | 4,812 | 4,249 | 4,544 |
| Miscellaneous | 827 | 532 | 796 | 506 |
| Total All Incidents | 85,652 | 86,539 | 85,787 | 87,519 |
| Mutual Aid Received | 5,035 | 5,484 | 5,570 | 5,650 |
| Mutual Aid Provided | 3,582 | 3,031 | 3,151 | 3,302 |
| Property Loss | \$68,141,850 | \$38,046,296 ⁴ | \$26,765,434 | \$37,947,584 |
| Civilian Fire Injuries | 80 | 84 | 85 | 33 |
| Firefighter Fire Injuries | -- | 40 ⁵ | 23 | 22 |
| Fire Deaths | 2 | 2 | 3 | 3 |

¹ Information accurate as of the Annual Report publish date; information subject to change.

² Assessed values only for Orange County Fire Authority areas served.

³ Methodology revised to ensure only fires in OCFA jurisdiction are included. Fires handled by OCFA units outside OCFA jurisdiction are included in Unit Response Totals.

⁴ Figure does not include \$124,356,955 in damage from the 2008 Freeway Complex Fire.

⁵ Figure reflects first year reported.



Supporting OCFA Services

The Support Services Department provides support to all departments of the OCFA, including coordinating all facilities maintenance, repairs, design, and construction (**Property Management**); automotive and fleet maintenance, repairs, and acquisition (**Fleet Services**); government liaison and legislative advocacy (**Legislative Services**); providing the technical expertise necessary to ensure 24/7 functional readiness of critical computers, data, and communication systems needed to support OCFA's mission (**Information Technology**); and coordination of strategic planning functions including long range analysis of impacts on resources associated with future land use, development, and increases in service demands (**Strategic Services**).

2010 HIGHLIGHTS

Property Management Fire Station Construction

- The OCFA continued to update existing fire stations. Construction of replacement Fire Station 17, Cypress is near completion. The 10,000 square foot facility will house two engines, a truck, and a medic unit. It is scheduled for dedication during August 2011.



Fire Station 17 in Cypress nears completion

- OCFA is cooperating with the cities of Stanton, San Clemente, and Tustin for construction of replacement Fire Stations 46, 60, and 37 respectively.
- OCFA completed Phase 1 of the purchase of the replacement Air Operations and Maintenance Facility, and Fire Station 41 at Fullerton Airport. Full occupancy of the new 23,000 square foot hangar facility will be complete March 2, 2011. Phase 2, the purchase of the balance of the 46,700 square foot facility, is anticipated during 2012.

Strategic Planning Efforts

- The OCFA Board of Directors adopted the 2010 Strategic Plan on June 24, 2010.

- OCFA conducted a Self Assessment Process which resulted in a thorough examination of services, risk, and evaluation of fire service processes.
- With the Self Assessment Process completed, OCFA was evaluated by the Commission of Fire Accreditation International Peer Review Team in November. This international team examined all aspects of the agency and concluded that we are eligible for review by the review commission in March 2011.

Fleet Services Progress

- Purchased and placed in service 22 total vehicles including 10 medic vans, 3 suburbans, 1 truck (T45 from Rancho Santa Margarita), and 5 wildland interface engines. The engines were placed in service at FS08 (Cowan Heights), FS10 (Yorba Linda), FS16 (Modjeska Canyon), FS54 (Lake Forest/Foothill Ranch), and FS45 (Rancho Santa Margarita).



Truck 45 serving Rancho Santa Margarita

- There were 32 surplus vehicles processed through the public auction or donation program.
- Specification and bid processes were developed for 13 new vehicles and apparatus, which are planned for 2011.



Supporting OCFA Services



Medic 17 serving Cypress

Legislation to Enhance Financial Stability of OCFA Programs

- Accepted 2009 Assistance to Firefighter Grant award from FEMA for \$447,000 to purchase VHF radios, repeaters and regional training class.
- Reviewed 2,000+ state legislation bills and actively tracked or took positions on 103 bills.
- Submitted two applications under 2010 Assistance to Firefighter Grant, one application under Staffing for Adequate Fire Emergency Response, and two applications under the Pre-disaster Mitigation Grant.

Information Technology (IT) Systems and Communications

- Upgraded the RFOTC campus to Gigabit bandwidth and wireless capability.
- Developed on-line time sheets to eliminate paperwork and reduce time keeping errors.
- Purchased, programmed, and installed 348 grant-funded VHF portable radios for OCFA and other fire agencies.
- Purchased and installed 203 Mobile Data Computers (MDC).
- Developed Service Center Inventory Management program with 100% in-house resources.
- Virtualization of computer servers in the Data Center.
- Created and deployed CAD/AVL mobile Blackberry system (access to CAD info, vehicle locator).
- Doubled the Storage Area Network (SAN) capacity as part of disaster recovery plan.

- MDC's, communications installs in new Engines, Trucks, Ambulances, Battalion vehicles, etc.
- Replaced obsolete Fire Station alarming systems
- Designed and deployed the InciNET system.
- Redesigning SharePoint and adding active CAD calls, employee lookup, and infopath forms.
- GIS Section fulfilled more than 313 special requests for maps or applications, updated 2,500 districts, and supported major incidents such as the December floods.



InciNET -Remote Incident Management System

OCFA Support Services Department Continues Work on New Fire Stations, Planning, Fleet Improvement, New Communications & Technology, Funding and Cost Savings Measures

As an essential part of facilities maintenance and support operations, Property Management, Strategic Services, Legislation Services, Information Technology, and Fleet Management are continuously seeking means to review utility



usage of OCFA's facilities and equipment in an effort to reduce consumption of electricity, natural gas, water, reduce waste, fund green measures, and use environmentally friendly products.



Supporting OCFA Services

Principal efforts combine programs to increase awareness of usage and cost and to develop new, innovative, conservation methods. Solar power generation, new, efficient irrigation management systems, high efficiency machinery and appliances and energy efficient construction lead the way. Efforts have resulted in significant reduction in consumption and substantial savings in 2010.

“We Plan Today for Tomorrow”

Property Management: As Orange County housing and commercial development begins its recovery, preliminary design plans for new Station 56, Ortega Valley, are in process. Pending development milestones, the project may begin as early as 2011.

Strategic Services: A proposal for Costa Mesa Fire Department was requested in 2010 and will be developed and submitted in February 2011. Advance planning efforts were focused on several Secured Fire Protection Agreements with new developers to secure funding for fire services. With the adoption of the 2010 Strategic Plan, efforts are moving forward with monitoring performance measures and deployment models.

Legislative Services: Oversaw OCFA federal lobbying activities on USAR and advocated in partnership with other Sponsoring Agencies for increased funding, resulting in a \$38 million appropriation to be distributed amongst the 28 National Task Forces. This represents an increase from prior year’s level of \$32.5 million.

Fleet Services: With the new capabilities of the integrated fleet management system, Fleet staff is moving forward with the fuel distribution module. This upgrade would give accurate fuel usage and mileage reports on OCFA vehicles and apparatus. This in turn will allow for efficiencies in vehicle assignments, usage, and purchase. In addition, the new system allows for effective tracking of warranties, and brand and maintenance failures of parts and equipment.

Information Technology: After 2 years of analyzing and determining industry best practices, the Request for Proposal (RFP) to replace the Public Safety Systems was completed in December 2010. The systems that

will be replaced have been in use since the late 1980’s and over 5,000 functional needs were identified during the creation of the RFP.

Over the coming months, a core team of employees representing the different sections that use the Public Safety Systems will review the RFP responses, conduct necessary visits and on-site demos, and recommend a finalist system(s) to replace the Computer Aided Dispatch (CAD), Orange County Fire Incident Reporting (OCFIRS), and Integrated Fire Prevention (IFP) systems. The GIS Division continues to build the Enterprise GIS capability for OCFA using the latest technology. They deployed new Capturx Digital pens as a mapping solution, upgraded to ESRIv10.0, and acquired 4-inch/pixel resolution digital orthography, in addition to continuing the development of the new geodatabase for the Public Safety Systems.



Accreditation Peer Team Area Orientation



For additional information about our Support Services Department, please contact the OCFA at (714) 573-6000, or visit OCFA’s website at www.ocfa.org.



Working as a Team

The Business Services Department provides financial functions such as accounts payable, accounts receivable, cost accounting, general ledger, payroll, and timekeeping to the OCFA (**Finance**); purchasing, receiving, shipping, warehousing, and mail operations (**Purchasing & Materials Management**); and treasury and financial planning services including banking, investments, issuance of long and short-term debt, budget development, fiscal monitoring, and administrative support (**Treasury & Financial Planning**).

2010 HIGHLIGHTS

Cost Containment

Weak financial conditions continued to impact OCFA during 2010 and required a major proactive work effort. As we began the year, we faced major financial deficits in our five-year forecast. The Board of Directors took the looming financial deficits very seriously, and directed staff to cut the FY 2010/11 budget by \$5 million as an initial step to curtail the future budget gap.



OCFA management and labor worked together to identify options for achieving both the mandated \$5 million reduction for FY 2010/11 and for substantially improving OCFA's future financial health. As a result, MOU amendments were approved by the Board, reflecting the following benefits:

- Reduced expenses for the next 4-years by over \$29 million.
- Eliminated the operating deficit that was expected to occur in FY 2011/12 and over the next 4 years.
- Avoided the implementation of emergency response service reductions that would have otherwise been required.
- Includes a new retirement contribution at 9% of pay from firefighters and fire management who begin to share in the cost of retirement, plus increases contributions from 6% to 9% for non-safety staff.
- Includes a new tier of retirement with a reduced benefit formula for future new safety members reflecting the 3% @ 55 retirement benefit and for future non-safety member reflecting the 2% @ 55 benefit.
- Introduces a new affordability formula for triggering future pay increases based on OCFA financial condition.

The introduction of a trigger formula based on affordability, combined with employee contributions to help pay for retirement, plus a reduced retirement formula are all features that we expect to work together collectively to improve OCFA's financial health moving forward.

We viewed this cost containment and budget reduction process as a very positive collaborative effort that included labor, management, and the Board and resulted in OCFA's ability to continue providing the current level of emergency response services to the communities we serve.



Establishment of the OCFA Foundation

During 2010, we initiated work to establish a non-profit OCFA Foundation. The purpose of the nonprofit Foundation is to assist the OCFA in fundraising, securing non-government grant funds, services, materials, and contributions to support OCFA's mission.

The goal of the Foundation will be to provide OCFA with additional resources to provide an enhanced level of fire prevention, suppression, and emergency medical services to citizens and visitors within our jurisdiction. The funds raised will help OCFA to continue providing the highest level of technology, equipment, tools, training, education, and community outreach that are not available within OCFA's budget.



Working as a Team

The Foundation will also facilitate the community's desire to provide assistance during major emergency incidents. During the Santiago and Freeway Complex Fires, we had numerous inquiries from the public wishing to help the firefighters. The majority of citizens who made inquiries with OCFA about wanting to help said that their preferred method of helping would be to provide a financial contribution.



Although the Foundation did not yet begin to hold meetings in 2010, several steps were achieved to get us closer to this goal:

- Obtained Board approval for creation of the Foundation
- Filed and subsequently received approval by the Secretary of State for the Articles of Incorporation
- Filed Statement of Information with the Secretary of State naming the Foundation Officers:
 - Keith Richter, Chief Executive Officer
 - Sherry Wentz, Secretary
 - Jim Ruane, Chief Financial Officer
- Purchased domain name (www.ocfafoundation.org)



Awarding Winning Finance Team

Action Plan – Orange County Employees Retirement System (OCERS) Premium Pay Error

In April 2010, OCERS disclosed that it had uncovered an error in how it handled premium pay salary items which impacted several plan sponsors including the Orange County Fire Authority (OCFA). The initial result was a \$82 million increase in OCFA's unfunded liability with OCERS.

- Premium pay includes salary items for specialty skills such as aircraft rescue firefighting, urban search and rescue, paramedic pay, bilingual pay, etc.
- OCERS should have included these premium pay items in the salary data it provided to its actuary, but failed to do so resulting in an under-reporting of pensionable compensation.
- The error occurred going back to 2004, which compounded the problem.



OCFA immediately requested supporting documentation and an accounting of OCFA's contributions to ensure that OCFA was given proper credit, because OCFA had always paid retirement contributions on these premium pays.

As a result, extensive corrective work was underway as of the close of 2010, and will continue well into 2011, as follows:

- Reviews by external professionals to determine what went wrong and to recommend corrective internal controls.
- Professionals are being hired to work on-site at OCERS for 2-3 months establishing best practices and policies to guide staff in the future.
- Auditors are being engaged to review the reconstruction of financial records on a plan-sponsor by plan-sponsor basis, in order to ensure that OCFA (and all other plan-sponsors) receive accurate credit for contributions paid to OCERS.



Statistical Data Comparison

Fiscal Years 2006/07 through 2010/11

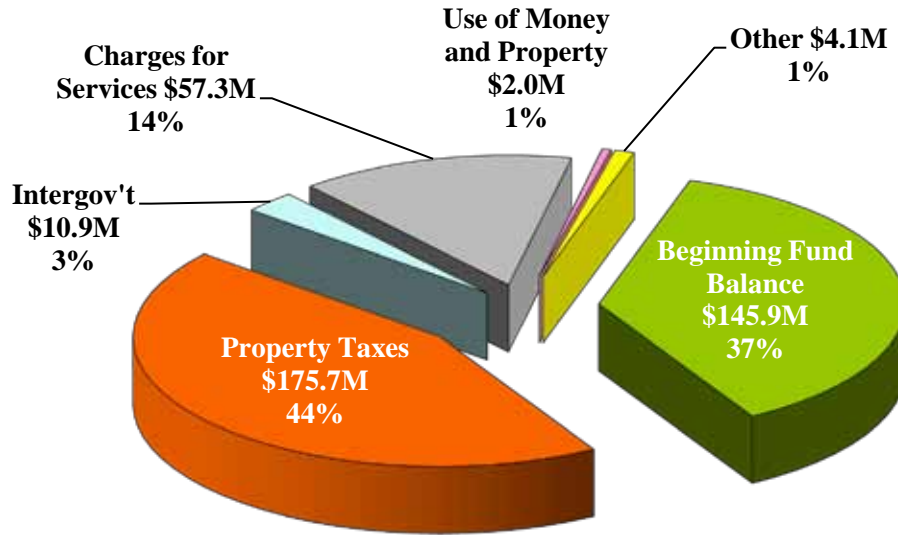
| | FY 2006/2007 | FY 2007/2008 | FY 2008/2009 | FY 2009/2010 | FY 2010/2011 |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| General Fund | | | | | |
| Salaries & Benefits | 194,429,276 | 202,087,061 | 212,479,219 | 213,074,579 | 216,438,625 |
| Services & Supplies | 22,037,147 | 23,284,393 | 23,222,586 | 20,947,987 | 20,874,112 |
| Capital Outlay | 66,894 | 180,916 | 355,000 | 350,000 | 150,000 |
| Debt Service | 1,092,920 | 795,556 | 753,667 | 0 | 0 |
| TOTAL | 217,626,237 | 226,347,926 | 236,810,472 | 234,372,566 | 237,462,737 |
| Capital/Other Funds | | | | | |
| Facilities Maint. & Imp. | 1,483,613 | 1,325,700 | 1,208,946 | 1,037,083 | 1,061,202 |
| Capital Projects | 2,435,347 | 1,129,849 | 8,116,661 | 9,460,515 | 8,450,909 |
| Comm. & Info. Systems | 7,332,020 | 6,046,125 | 4,729,292 | 5,356,954 | 5,549,388 |
| Vehicle Replacement | 10,440,891 | 11,136,021 | 36,952,997 | 11,340,897 | 6,267,750 |
| Structural Fire Fund | 1,781,706 | 1,608,245 | 1,607,159 | 552,886 | 248,743 |
| Self-Insurance | 6,892,022 | 6,681,881 | 5,515,905 | 5,515,905 | 5,457,137 |
| Debt Service | 3,664,500 | 3,662,263 | 3,664,663 | 7,322,675 | 0 |
| TOTAL BUDGET | 251,656,336 | 257,938,010 | 298,606,095 | 274,959,481 | 264,497,866 |
| Authorized Staffing Level | | | | | |
| Firefighters | 792 | 808 | 841 | 841 | 862 |
| Fire Management | 41 | 41 | 41 | 41 | 41 |
| Professional Staff | 278 | 278 | 278 | 278 | 277 |
| TOTAL | 1,111 | 1,127 | 1,160 | 1,160 | 1,180 |
| Reserve Firefighters | 390 | 390 | 390 | 495 | 495 |



Funding Sources and Uses

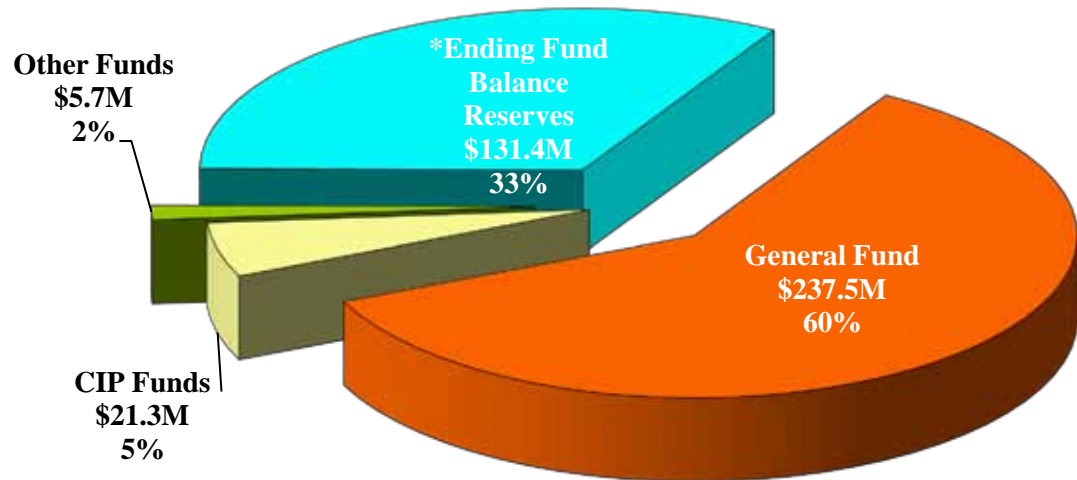
All Funds

Where the Money Originates:



Where the Money Goes:

* Reserves = Operating Contingency Reserve, Debt Service Reserve, Workers' Compensation/Self-Insurance Reserve, and Capital Reserve





Working as a Team

OCFA RECEIVES OVER \$5 MILLION IN GRANTS, DONATIONS, AND REIMBURSEMENT REVENUE

Grants Awarded:

| | |
|--|--------------------|
| FEMA Urban Search and Rescue (USAR) 2009 | \$788,170 |
| FEMA Urban Search and Rescue (USAR) 2010 | \$344,832 |
| FEMA Radio Grant | \$241,172 |
| Urban Area Security Initiative (UASI) | \$229,797 |
| State Homeland Security (SHSG) | \$107,853 |
| Total Grants | \$1,711,824 |

Donations:

| | |
|-------------------------|------------------|
| Maruchan, Inc. | \$100,000 |
| Corporate Sponsors | \$11,613 |
| Columbus Fire Donations | \$5,000 |
| Canine Program | \$645 |
| CERT | \$760 |
| Smoke Alarms | \$267 |
| Community Donations | \$100 |
| Total Donations | \$118,385 |

Reimbursements:

| | |
|---|--------------------|
| State reimbursements for emergency response | \$2,702,011 |
| Federal reimbursements for emergency response | \$561,864 |
| Total Reimbursements | \$3,263,875 |

2010 Calendar Year Combined Total \$5,094,084

For additional information about our Business Services Department, please contact the OCFA at (714) 573-6000, or visit OCFA's website at www.ocfa.org.



Managing Change

Human Resources provides programs and services that are designed to support the OCFA and its employees in the achievement of its mission and objectives, including the administration of the employee relations program, classification and compensation, recruitment and selection, salary administration, labor negotiations and Memorandum of Understanding (MOU) administration (**Employee Relations**); risk management and health and wellness (**Risk Management**); performance management and organizational training/development (**Organizational Training & Development**), and benefits administration (**Employee Benefits and Services**).

2010 HIGHLIGHTS



WEFIT Program Participation Level Maintained at 94%

OCFA began this voluntary wellness-fitness program in 2004 with Board of Directors' approval and it is now in its 7th year. The program focuses on elevating the physical fitness level of firefighters in relation to the physical demands of their suppression

duties and includes the following major components: medical exam and fitness evaluation, fitness and health programs, immunizations and disease screening, medical/fitness/injury rehabilitation, data gathering, and program evaluation. To date, program participation continues to be over 90% of our firefighters and the firefighter injury rate has remained flat following a period of injuries decreasing, since the inception of the WEFIT program. The aggregate medical and fitness data continues to show a positive trend of increased firefighter fitness levels. In the last couple of years, the last component of the WEFIT program, a Wellness Injury/Fitness Rehabilitation project was implemented as a pilot program. Initial data from that program shows potential benefits in injury prevention and workers' compensation costs.

OCFA Physical Therapy and Rehabilitation WEFIT Wellness Program

The OCFA has partnered with Orange County's Coury & Buehler Physical Therapy to provide a physical therapy and rehabilitation program. This partnership provides OCFA firefighters the opportunity to be treated

like professional athletes and receive the level of care warranted for such athletes.

This program consists of three main services which help our firefighters reduce the risk of injury, address minor injuries, and allow continued rehabilitation for firefighters who have exhausted their workers' compensation benefits.

Injury Prevention Intervention: Allows individuals with minor muscle strains and pulls to immediately begin physical therapy treatment without delay. Minor injuries can be taken care of right away and prevent a more serious progression.

Post Injury Return To Duty: This service allows individuals who have been released to full duty following treatment of work-related injury or have exhausted their physical therapy benefits (under workers' compensation) to continue with physical therapy without delay under the OCFA WEFIT program.

Workers' Compensation Referred Cases: This service is for OCFA members who sustain an injury and need to go through the OCFA workers' compensation third party administrator.





Managing Change

Successor Memorandums of Understanding Negotiated for Firefighter and Fire Management Unit

On October 20, 2010 representatives from the Orange County Fire Authority, in accordance with direction from the Board of Directors, began the meet and confer process with the Orange County Professional Firefighters Association – Local 3631, and the Chief Officers Association regarding amendments to the current MOUs. As a result of this process, the parties agreed to amend the current MOUs and extend their terms through 2014 and 2015 respectively.

As part of the meet and confer process, the parties agreed to a new retirement benefit formula which will apply to newly hired employees and which represents considerable cost reductions for the OCFA.

In addition to amending the MOUs, the current Health Plan Agreement for the Firefighter Unit was amended resulting in cost savings to the Authority though the reduction of OCFA contribution rates

These cost saving measures have been achieved to enable the OCFA to meet the financial challenges facing the organization without any reductions in service to the community.

Heat Illness Prevention

Heat is a significant risk factor to firefighters working at emergency scenes that can be fatal if it isn't controlled.

Reducing the risk of heat illness was a focus in 2010. The incident rehabilitation process was standardized through the development



Hydrating during training exercise

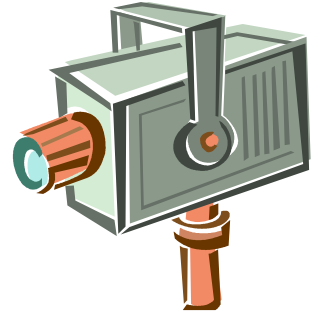
of a standard operating procedure and training. The incident rehabilitation process includes provisions for:

- Food and fluid replacement
- Shade for rest and cooling
- Medical monitoring

Personal protective clothing was modified from double to single-layering on wildland incidents.

Regional Fire Operations and Training Center (RFOTC) Security Upgrade

An assessment of the existing internal and external closed circuit television (CCTV) surveillance system cameras and recording hardware was conducted last year. In this fiscal year, recommendations from the assessment were acted upon including:



upgrade of recording hardware to a digital system, addition of a viewing station at the security guard post, inspection and adjustment of all cameras, and addition of several cameras to the system. These changes provided a higher level of security and protection of OCFA assets.

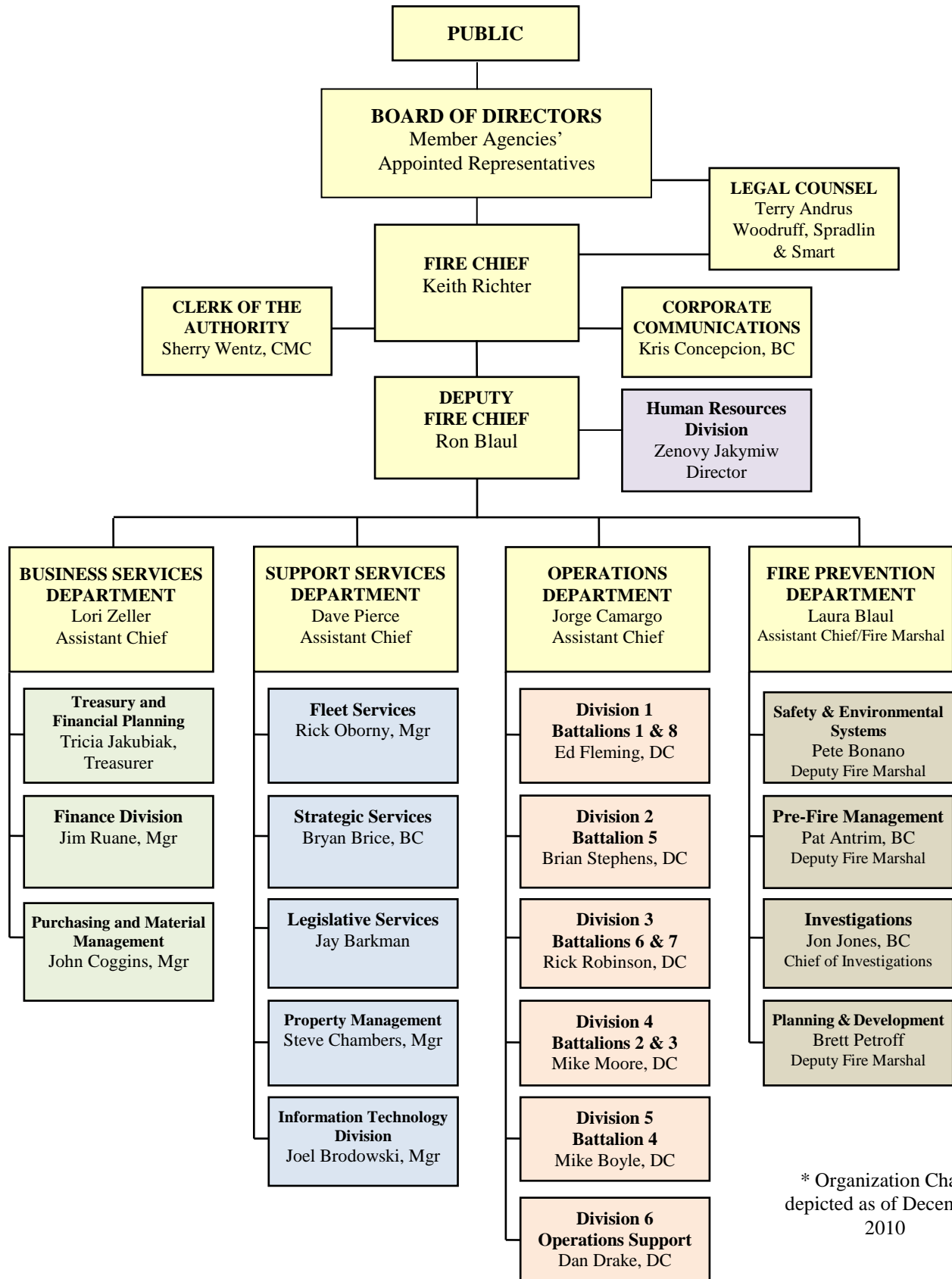


OCFA Security Monitoring System

For additional information about career employment opportunities, or our Reserve Firefighter or Explorer Programs, please contact the Human Resources Department at (714) 573-6800, or visit OCFA's website at www.ocfa.org.



Orange County Fire Authority



* Organization Chart
depicted as of December
2010



How to Reach Us

“Always call 9-1-1 for any emergency that threatens life or property.”



Orange County Fire Authority
Regional Fire Operations and Training Center
1 Fire Authority Road, Irvine, CA 92602

Mailing Address
P.O. Box 57115, Irvine, CA 92619-7115

General Information
(714) 573-6000

Website
www.ocfa.org

Clerk of the Authority
(714) 573-6040
OCFA Board Directors Administration
Custodian of Records
Fair Political Practices Commission
Liaison

Community Relations & Education Services
(714) 573-6200
Educational Programs
Ride-alongs
General Safety Information

Human Resources
(714) 573-6825
OCFA Job Opportunities
Risk Management

Planning and Development Services
(714) 573-6100
Plan Check Review
New Development/Construction Projects

Safety & Environmental Services
(714) 573-6180
Fire Safety Inspections
Fire Alarms

Operations Department – Division 6
(714) 573-6050
Volunteer Opportunities
Fire Explorer Program

Notes:



Orange County Fire Authority 2010 Annual Report

Orange County Fire Authority • 1 Fire Authority Road • Irvine, CA 92602

Phone: (714) 573-6000

www.ocfa.org

We are proud that this environmentally friendly Annual Report has been developed as an electronic document, and is available on our OCFA website.