



HONOLULU FIRE DEPARTMENT

Kenneth G. Silva, Fire Chief
Rolland J. Harvest, Deputy Fire Chief

POWERS, DUTIES, AND FUNCTIONS

The City Charter of the City and County of Honolulu (City) designates the Honolulu Fire Department (HFD) as the fire protection agency for the City. The HFD's responsibilities are to provide fire fighting, rescue, emergency medical, and hazardous materials (HM) response for the entire island of Oahu, which is an area of 604 square miles. These duties are performed in a wide variety of terrain that include steep mountain ranges, wildlands, and agricultural fields; structures which comprise a modern metropolitan city, including industrial complexes, business centers, government complexes, high-rise resorts, condominiums, and high-density urban residential dwellings; and the ocean surrounding the island.

The Fire Chief and the Deputy Fire Chief manage the operation and administration of the HFD and are responsible for carrying out the following functions mandated by the City Charter:

- Fire fighting and rescue work in order to save lives and property from fires and emergencies emanating from hazardous terrain, ocean rescues, and HM.
- Training, equipping, maintaining, and supervising fire fighters (FF) and rescue personnel.
- Monitoring construction and occupancy standards of buildings for the purpose of fire prevention.
- Providing educational programs related to fire prevention.
- Performing other duties as may be required by law.

ORGANIZATION

The HFD consists of 1,096 uniformed personnel and 65 civilians totaling 1,161 employees. Personnel are organized into four divisions: Fire Operations, Administrative Services Bureau (ASB), Support Services, and Planning and Development (P&D). Each division is managed by an Assistant Chief (AC) who is responsible for the daily management of the division and provides executive support to the Fire Chief and Deputy Fire Chief.

The Department maintains a modern and technologically advanced force of fire fighting and rescue personnel and equipment through its various activities administered by qualified, professional leadership. The Department continues to develop and conduct various programs, such as reliable and efficient communication systems, fire apparatus maintenance and repair, training and research, and a coordinated City radio system. The Fire Prevention Program, which includes inspections, investigations and enforcement of fire regulations, and a fire safety education program, continues to expand and grow with the latest trends and national standards of the fire service.

HONOLULU FIRE COMMISSION

The five Fire Commissioners are: Elizabeth C. Ho, Quentin K. Kawananakoa, Nathaniel K. Kinney, Sylvia M. Waiwaiiole-Hopfe, and James S. Wataru.

The Commissioners, assisted by a part-time secretary and an attorney from the Department of the Corporation Counsel, meet monthly with the Fire Chief, the Deputy Fire Chief, and/or members of the Fire Chief's Executive Staff. The Commission's accomplishments and highlights are as follows:

- Reviewed the HFD's budget for fiscal year (FY) 2011.
- Attended various Departmental ceremonies.
- In July 2009, Elizabeth C. Ho was reelected Fire Commission Chair. She designated Sylvia M. Waiwaiiole-Hopfe to be Vice Chair.

OFFICE OF THE FIRE CHIEF

Executive leadership, management, and strategic planning are the responsibilities of the Fire Chief and Deputy Fire Chief. The Office of the Fire Chief is supported by two private secretaries.

DEPARTMENT HIGHLIGHTS

- On August 4 and 6, 2009, Chief Silva held open forums for HFD personnel regarding a possible HFD/Honolulu Emergency Services Department (HESD) merger.
- On August 14, 2009, Chief Silva hosted an HFD Retirees' Appreciation Day at the Charles H. Thurston Training Center.
- On August 26-28, 2009, an International Fire Service Accreditation Congress (IFSAC) site team reviewed the HFD's certification programs. The HFD was awarded a 5-year reaccreditation for 10 programs and a 5-year initial accreditation for 1 program.
- On September 4, 2009, former Deputy Fire Chief Alvin Tomita and HFD members attended a U.S. Coast Guard (USCG) memorial to honor crewmembers killed in a helicopter crash on September 4, 2008.

- On September 6, 2009, the HFD participated in the 8th Annual Mayor's Remembrance Walk to commemorate the terrorist attacks of September 11, 2001.
- On September 23, 2009, the HFD installed smoke alarms in the Papakolea community for selected homes of elderly citizens as part of our Smoke Alarms for Everyone (SAFE) Program (formerly Smoke Alarm Installation Program).
- On September 25, 2009, Chief Silva hosted a promotional ceremony for 22 FF Ills.
- On September 26, 2009, Chiefs Silva and Tomita held an orientation for the recruits, families, and friends of the 95th Fire Fighter Recruit (FFR) Class, which started on September 28, 2009.
- On September 29, 2009, Chief Silva and HFD members attended a Fire Prevention Week (FPW) Proclamation Signing at the Mayor's office.
- On October 2, 2009, Fire Chiefs from the four counties and members of the fire fighting community attended a FPW Proclamation Signing at the Governor's office.
- On October 2, 2009, Chief Silva hosted the Honolulu Firefighters Foundation's inaugural fundraising event at the HFD Headquarters Complex.
- October 30, 2009, the HFD and The 200 Club hosted a luncheon at the Hawaii Prince Hotel Waikiki to honor and recognize the Manager and Employees of the Year. Personnel with 25 and 35 years of service were also honored.
- On November 4, 2009, Chief Silva hosted a Commendation Ceremony to recognize those who went above and beyond the call to assist those in need.
- On November 5, 2009, Chief Tomita and HFD members attended a Fireman's Fund Insurance Company event to receive a \$11,225 gift to the HFD which was used to purchase thermal imaging cameras.
- On November 23, 2009, Chief Silva hosted a promotion ceremony for two Battalion Chiefs (BC).
- On January 5, 2010, Chief Silva hosted a promotional ceremony for one Deputy Fire Chief.
- On February 19, 2010, the HFD held a luncheon at the Willows Restaurant to honor its 2009 retirees.
- On February 26, 2010, Chief Silva hosted a promotional ceremony for one AC.
- On March 19, 2010, the HFD held a graduation ceremony for the 95th FFR Class at McCoy Pavilion.
- On April 1, 2010, Chief Silva hosted a grand opening ceremony for the McCully-Moiliili Fire Station.
- On April 7-13, 2010, Chief Silva and two members of his Executive Staff shadowed the District of Columbia Fire & Emergency Medical Services (EMS) Department during the Global Nuclear Security Summit in Washington, D.C.
- On May 9-13, 2010, a five-member Peer Assessment Team evaluated the HFD for reaccreditation.
- On May 13, 2010, Chief Silva hosted a Wildfire News Conference at the Charles H. Thurston Training Center.
- On June 7-11, 2010, the HFD and the International Brotherhood of Electrical Workers installed 120 smoke alarms in selected homes of elderly citizens as part of the SAFE Program.
- On June 30, 2010, Chief Silva held a ceremony at the HFD Headquarters Complex to bless two pumpers, two quints, and five sport utility vehicles (SUV).

ASB

The ASB provides administrative, personnel, logistic, and maintenance support to the fire suppression force. An AC is assisted by a staff consisting of two BCs, two Fire Captains, an Administrative Services Officer, and a pool of support staff. The ASB oversees the HFD's operating budget, property and inventory, personnel administration, and the administration of safety and health-related programs such as the Drug and Alcohol and Infectious Disease programs.

The HFD's Capital Improvement Program (CIP) and Community Development Block Grant funds are also under the purview of this bureau. CIP expenditures for FY 2010 are as follows:

<u>Acquisitions</u>	<u>Cost</u>
Two Aerials.....	\$2,000,000
Three Pumpers.....	1,800,000
Five Full-Size SUVs.....	277,000
Four Utility Trucks.....	144,000
One Fabrication Machine.....	20,000
One Tire Removal Machine.....	12,000
<u>Fire Stations</u>	<u>Cost</u>
East Kapolei Regional Fire Station (new construction).....	\$10,975,000
Construction awarded to Okada Trucking Co., Ltd.	
Architect: Urban Works, Inc.	
Kahuku Fire Station.....	\$825,368
HM abatement; roof, window and door replacement; structural repairs; and air conditioning system improvements	
Kalihi Kai Fire Station.....	\$236,280
Roof improvements	

Ewa Beach Fire Station (relocation to Ocean Pointe)	\$4,587,016
Construction awarded to 57 Builders, Inc.	
Architect: Kodama, Okimoto Architects, Inc.	
Wailupe Fire Station.....	\$195,055
Emergency Vehicle Caution System renovations	



An artist's rendering of the East Kapolei Fire Station



An artist's rendering of the Ocean Pointe Fire Station

Mechanic Shop

The Mechanic Shop staff consists of a Fire Equipment Superintendent, Fire Equipment Repair Supervisor, three Lead Mechanics, nine Fire Equipment Mechanics, one Mechanical Repairer, one Automotive Repair Assistant Specialist, one Fireboat Repair and Maintenance Supervisor, and two clerical support personnel. A Fire Equipment Mechanic is on 24-hour standby duty to support trouble calls after normal working hours.

The Mechanic Shop repairs and maintains the HFD's fleet of 42 engines, 7 aerial ladders, 6 quints, 2 aerial towers, 2 rescue units, 2 hazmat response apparatuses, 6 tankers, 2 brush trucks, 1 command truck, 20 relief apparatuses, 42 mobile equipment trailers, and approximately 78 auxiliary vehicles. Included for water rescues are a 110-foot fire boat, three rescue boats, and seven jet skis/watercrafts. Other responsibilities include maintenance and repair of approximately 30,000 pieces of small equipment, fire fighting equipment, lawn tools, office furniture, and rescue power tools.

This section also repairs and maintains the Honolulu Police Department's (HPD) heavy equipment vehicles above 10,000 pounds gross vehicle weight. This group consists of three special weapons vehicles, two bomb trucks, a tactical truck, a tractor-trailer equipment truck, five communication vehicles, and an emergency management command truck.

Highlights

- Designed and fabricated tools and equipment to improve overall safety and efficiency for the repair, maintenance, and operation of fire fighting apparatuses.
- Performed annual pump, aerial ladder, and ground ladder testing and State of Hawaii (State), Department of Transportation (DOT) safety inspections for fire fighting apparatuses.
- Provided on-site fueling and repair service for fire fighting equipment at various incidents, including the Kalama Valley and Waiau wildland fires.
- Processed approximately 4,500 requests for repairs, maintenance, modifications, safety inspections, and testing on fire fighting equipment.
- Performed annual National Fire Protection Association (NFPA) aerial testing via a third-party vendor on 18 aerial apparatuses.
- Completed an on-board battery charger campaign on 35 front-line apparatuses.
- Rebuilt three diesel engines and two fire pumps for five front-line fire fighting apparatuses.
- Replaced two water tanks with a state-of-the-art polypropylene water tank for a front-line fire fighting apparatus.
- Completed 32 major servicings on front-line apparatuses and auxiliary vehicles.
- Placed in service three Compressed Air Foam System (CAFS) engines and two quint aerial fire fighting apparatuses.

Occupational Safety and Health Office (OSHO)

The OSHO is responsible for the Department's safety and health programs. It is committed to providing personnel with a safe working environment by providing the highest standards of safety through education of its personnel, minimizing hazards through engineering, and enforcing the Hawaii Occupational Safety and Health Division and the Occupational Safety and Health Administration laws and standards in addition to HFD policies and procedures.

The OSHO periodically reviews and revises HFD policies, procedures, and programs to ensure the safety and health of its personnel. It also establishes new programs to maintain compliance with applicable local, state, and federal safety laws to meet the growing needs of the Department.

Regular Safety Committee meetings are conducted with union representatives to ensure the safety and health of members, establish new safety and health policies, and update existing programs to minimize employee exposure to hazardous conditions at emergencies and various worksites. The committee also acts as the Department's liaison on safety and health-based issues.

Two sections under the OSHO, the Self-Contained Breathing Apparatus (SCBA) Shop and the Storeroom, provide logistical support for HFD field personnel.

Highlights

- The OSHO is spearheading a new program aimed at educating HFD personnel about the effects of sleep deprivation. The program, Operation Stay Alert, is a fire fighter wellness program administered by the Harvard Work Hours, Health and Safety Group and is being examined for Department implementation.
- Final corrections to an Incident Safety Officer program have been made, and the OSHO is waiting for final approval to implement. This program gives the identified person(s) operating guidelines to follow at emergency incidents where an overall Safety Officer is required.
- The OSHO has created files, folders, articles, and hyperlinks in the HFD Web portal where personnel can navigate and acquire various references on safety information and guidelines. A safety tips section is found on the opening page and provides information and hyperlinks to other references on hot topics and current safety issues facing the HFD.
- Annual facility safety inspections have been completed. No major discrepancy or deficiency was found. Minor issues were identified, and responsible members corrected or are in the process of making necessary corrections.
- The OSHO Safety Specialist has begun providing information, guidelines, and inspections for HFD facilities as part of the Environmental Protection Program. National Pollutants Discharge Elimination System and Spill Prevention Control and Countermeasure programs are now in place, as the HFD diligently works on ways to protect our environment.

SCBA Shop

The SCBA Shop was created in May 2000 to meet the increasing demands of respiratory protection. It is responsible for data collection, upgrades, research, education, calibration, fit/flow testing, repair, air fill, and inspection. The SCBA Shop is also responsible for self-contained underwater breathing apparatus (SCUBA) cylinder inspections, maintenance, and repairs.

Highlights

As of June 2010, 969 half-face respirators, full-face N95 respirators, and SCBA respirators were fit and flow tested. Of that total, 26 SCBA masks, 24 NightFighter Heads-Up Displays, and 4 ClearCommand Amplifiers required replacement.

- A total of 282 SCBA and 10 SCUBA cylinders were sent out for hydrostatic testing, reinspected, and refitted for service.
- A total of 4,940 SCBA and 688 SCUBA cylinders were refilled in FY 2010. This amounts to an average of 412 SCBA and 57 SCUBA cylinders being refilled each month.
- During the first quarter of FY 2010, the SCBA Shop upgraded the final 120 SCBA harnesses to the ICM Tx and Rapid Intervention Team-capable AudiLarms. This completed the SCBA Upgrade project.
- A total of 113 harnesses underwent preventive maintenance and completed flow testing for calendar year 2010. This completes one-third of the suppression stock.

Storeroom

The Storeroom plays a vital support role to provide logistical needs that enable the Department to properly and safely perform its mission. Key to this mission is maintaining predetermined inventory levels of everyday supplies needed for the maintenance of HFD facilities, apparatuses, and equipment. The Storeroom is also responsible for ordering and issuing office, medical, rehabilitation, and salvage supplies, personal protective clothing (PPC), and safety equipment.

Highlights

- Worked with the OSHO in preparing and distributing spill kits to all stations.
- Issued personal protective equipment to the 95th FFR Class.
- Worked with Engines 35, 38, and 40 and Quints 12 and 26 in distributing equipment to new CAFS engines.
- Processed 1,618 equipment transactions, including first-line fire equipment and station maintenance equipment, exchanged 916 PPCs, and replaced 195 station boots.
- Worked with the Mechanic Shop in processing 284 equipment repairs, including small engine equipment and fire fighting hoses.
- Received 40 55-gallon barrels of Phos-Check fire fighting foam, which was issued to new CAFS engines.
- Worked with the OSHO BC in preparing necessary equipment in response to tsunami warnings.
- As the number of residents on Oahu increases, the need for medical supplies also rises. The oxygen inventory has increased by 40 bottles for a total of 80 jumbo D bottles.

Fire Fiscal

The HFD's FY 2010 financial report is presented below.

The total operating expenditures for the Department's FY 2010 Fire Protection Program amounted to \$89,554,495, as compared to \$85,101,332 of the preceding year. This five percent increase of \$4,453,163 is attributed to the following:

	<u>FY 2010</u>	<u>FY 2009</u>	<u>Variance</u>	<u>Percent</u>
Salaries	\$81,303,569	\$76,566,257	\$4,737,312	6.2%
Current Expenses	7,970,274	8,227,629	(257,355)	(3.0%)
Equipment	280,652	307,446	(26,794)	(8.7%)
Total	\$89,554,495	\$85,101,332	\$4,453,163	5.2%

The composition of expenditures is as follows:

	<u>FY 2010</u>	<u>Percent</u>
Salaries	\$81,303,569	90.8%
Current Expenses	7,970,274	8.9%
Equipment	280,652	0.3%
Total	\$89,554,495	100%

Per Ordinance 09-11, the appropriations for FY 2010 amount to \$96,449,159 in the General Fund. The HFD's August 25, 2010, federal matching funds request increased the appropriation by \$97,364 to \$96,546,523.

Salaries and Wages

The HFD had 1,161 funded positions. There were approximately 50 vacant positions on June 30, 2010.

	<u>FY 2010</u>	<u>FY 2009</u>	<u>Variance</u>
Salaries	\$81,303,569	\$76,566,257	\$4,737,312

Fireboat

The fireboat is owned by the DOT and is funded by Act 171, SLH 1963 (Hawaii Revised Statutes [HRS] 85 T15, Section 266-22).

	<u>FY 2010</u>	<u>FY 2009</u>	<u>Variance</u>
Salaries	\$1,429,243	\$1,363,810	\$65,433
Fringe Benefits	418,627	408,478	10,149
Indirect Costs	242,971	233,139	9,832
Current Expenses	122,739	196,282	(73,543)
Equipment	0	0	0
Total	\$2,213,580	\$2,201,709	\$11,871

Revenues and Other Collections

Total revenues and other collections amounted to \$2,803,740. Significant receipts included a \$1,102,860 reimbursement for fireboat operations and \$377,906 from fire code permits and licenses.

FIRE OPERATIONS

Fire Operations is comprised of an AC, two BCs, two Captains, a secretary, and a clerk. In addition, a general staff of 15 BCs assist the AC with the daily management of fire companies and emergency operations.

Fire Operations companies are staffed according to a three-platoon system. A platoon is a complement of fire fighters working on any given day. Each platoon includes 42 engine, 13 ladder or quint, 2 tower, 2 rescue, and 2 HM companies; 1 fireboat; 5 tankers; 1 fuel tender; and 2 helicopters. Each platoon is divided into five battalions, and each battalion is headed by a BC.

Emergency responses include fires, medical emergencies, mountain and ocean rescues, HM, and homeland security incidents. In addition, Fire Operations conducts commercial occupancy inspections; prepares industrial and commercial fire preplans; participates in community relations activities; attends training classes, drills, and exercises; keeps abreast of trends in fire fighting techniques, EMS, fire prevention, public education, and the municipal water supply; and performs daily maintenance on HFD apparatuses, facilities, and grounds.



Three CAFS engines and two aerials were blessed on June 30, 2010.

Fire Operations constantly prioritizes fire fighter safety and strives to be at the forefront of technology. Three new CAFS engines have been added to our fleet for a total of 10 CAFS engines. This system improves fire fighter safety by reducing extinguishment times and exposure to adverse fire conditions. Other features include an improvement in water absorption and heat reduction, lesser overhaul time, and minimized water damage. The Class A foam used by CAFS engines is an effective fire retardant.

The HFD's Aircraft Section responded to 573 emergencies, compared to 473 last year. The total includes 522 rescue incidents and 51 fire incidents. The HFD's aircraft continued to demonstrate its effectiveness in search and rescue and wildland fire fighting operations.

Highlights

- H1N1 vaccinations were delivered to HFD personnel.
- On July 1, 2009, the HFD participated in event planning for Independence Day fireworks displays at Ala Moana Regional Park, Kailua Beach, Maunaloa Bay, and Maili Beach Park.
- On July 7-9, 2009, the HFD participated in the Red Hill Tunnel Fuel Storage Facility Emergency Response Plan with the Federal Fire Department (FFD)'s Command Navy Region Hawaii.
- On July 23, 2009, the HFD participated in a USCG Sector Honolulu Port and Waterways Safety Assessment.
- On August 12, 2009, the HFD responded to an explosion in an office building on Beretania Street that resulted in an estimated \$800,000 in damage.
- On September 2, 2009, the HFD executed tsunami evacuation procedures due to 8.3 magnitude earthquake off Samoa.
- On September 10, 2009, the HFD attended the State Department of Education's All-Hazards Emergency Readiness Conference and presented critical emergency issues to superintendants, principals, and emergency preparedness staff members.
- On October 1, 2009, the HFD participated in an interagency search and rescue exercise with the HESD's Ocean Safety and Lifeguard Services Division (Ocean Safety), Kaneohe Marine Base Hawaii, and the USCG.
- On November 13, 2009, the HFD participated in an interagency exercise with City, state, and federal agencies. The scenario was an off-site transportation accident involving a release of radiological waste.
- On January 13, 2010, the HFD responded to a building fire on Ala Hoku Street that caused an estimated \$460,000 in damage. The fire was caused by an electrical short circuit.
- On January 29, 2010, the HFD responded to a boat fire at Pier 38 that resulted in one fire fatality. The fire was caused by unattended cooking.
- On January 29, 2010, the HFD responded to a building fire on Mokauea Street that caused an estimated \$475,000 in damage.
- On February 2, 2010, the HFD responded to a building fire on Round Top Drive that caused an estimated \$525,000 in damage.
- On February 26, 2010, the HFD responded to a building fire on Hauoli Street that caused an estimated \$600,000 in damage.
- On February 27, 2010, the HFD executed tsunami evacuation procedures due to 8.8 magnitude earthquake off Chile.
- On March 2, 2010, the HFD responded to a building fire on Hoolaulea Street that resulted in a fire fatality. The fire was caused by an electrical short circuit.
- On March 11, 2010, the HFD responded to a building fire on 9th Avenue that resulted in an estimated \$600,000 in damage.
- On April 5-9, 2010, the HFD assisted the U.S. Department of Homeland Security (DHS) with a critical infrastructure vulnerabilities assessment in preparation for the 2011 Asia-Pacific Economic Cooperation (APEC) Forum.
- On April 8-9, 2010, the HFD and the Hawaii Fire Chiefs Association exercised a draft plan of the Intrastate Mutual Aid System in collaboration and partnership with the International Association of Fire Chiefs.
- On April 14, 2010, the HFD participated in an interagency search and rescue exercise with Ocean Safety and the USCG.
- On April 19 and May 14, 2010, the HFD held an Oahu Wildland Coordination Group meeting in preparation of the upcoming wildland fire season.
- On April 27, 2010, the HFD participated in the Kamalu O Hawaii Interagency Maritime Exercise.
- On May 5, 2010, the HFD responded to a building fire on Queen Street that resulted in a fire fatality. The fire was caused by smoking in bed.
- On June 23, 2010, the HFD participated in the U.S. Postal Service's Makaala Phase 3 exercise.
- APEC planning has been initiated. An application for National Special Security Event designation was submitted by the State. Training plans for this event are being formulated.

P&D

Under the direction of an AC, P&D performs the following:

- Coordinates the HFD's overall short- and long-term strategic planning and operational and quality improvement processes.
- Reviews, researches, and monitors emerging legislation, regulations, trends, events, and past Department performance to establish the goals and objectives necessary to realize the HFD's mission.
- Develops and maintains critical Department plans, which includes emergency operations/disaster plans, Standards of Cover plans, deployment plans, and other risk mitigation and preparedness strategies.
- Manages the Department's recommendation program (Subject, Objective, Problem, Proposal, Advantages, Disadvantages, and Actions).
- Manages the memorandums of agreement and memorandums of understanding files.
- Manages the HFD's Web portal and Internet sites.
- Oversees and supervises the Fire Communication Center (FCC) and the Radio Shop.

The AC is the Department liaison for interagency coordination with the City administration, Department of Emergency Management (DEM), and State Civil Defense (SCD) on various Oahu and statewide issues.

Timely, meaningful information is critical for effective and efficient Department management. P&D monitors and evaluates the functions performed by the Records Management System (RMS) and recommends improvements to enhance the Department's data collection and reporting processes. A Management Analyst conducts statistical analyses on all aspects of the Department's operations and establishes benchmarks and performance measures to ensure goals and objectives are being achieved.

As the Department's Accreditation Manager, the AC also submits an Annual Compliance Report to the Commission on Fire Accreditation International (CFAI).

Grant management continues to be an increasingly important function of P&D. Grant funding allows the Department to improve community services by providing new or additional equipment, training, and resources. P&D coordinates the grant management process, which includes applications, budgets, procurement, and reports.

Research and development of new programs and evaluations of existing programs and services to improve Department efficiency and effectiveness are also performed. These programs included interoperable voice and data communications and improving the RMS, geographical information system (GIS), and Honolulu Online System for Emergency Services (HOSES).

The AC chairs and oversees the HFD's Board of Inquiry, which is comprised of the Department's Executive Chief Officers and investigates accidents, complaints, personnel matters, and other occurrences that are confidential in nature.

Grant Management

DHS via the Assistance to Firefighters Grant (AFG)

- The Department submitted a 2010 AFG application for 1,058 pairs of leather turnout boots, which are superior in quality to our present rubber turnout boots.
- The Department was awarded 2009 AFG funds for 73 Toughbooks to replace the aging computers located in Department response vehicles. These computers are used as mobile data terminals (MDT) and provide dispatch, directional routing, prefire plans, and apparatus location information.
- The Department, through a 2008 AFG award, purchased 854 new fire fighting helmets to replace helmets that are 10 years and older to comply with the NFPA's recommendations.

DHS and Urban Area Security Initiative (UASI) Grants

- The Department was awarded a 2010 UASI grant in the amount of \$500,000 for equipment, electronics, and workstation upgrades for the FCC.
- The Department was also awarded a 2010 UASI grant in the amount of \$300,000 for chemical, biological, radiation, nuclear, and explosive training and equipment.
- A 2009 DHS grant in the amount of \$350,000 for All-Hazards Incident Management Team and Incident Command System (ICS) Position Specific training was also received. This will allow for development of Type 3 Incident Management Teams for command and control of large-scale incidents.
- The Department was awarded 2009 UASI grants in the amount of \$375,000 for Phase 3 of a video teleconferencing system and \$400,000 for mobile generators.

Department of Land and Natural Resources (DLNR), Division of Forestry and Wildlife (DOFAW) Grant

- The Department was awarded a 2009 DOFAW grant in the amount of \$194,728.50 for wildland fire equipment and tool purchases, training, and attendance at industry conferences.

DOT, Highway Safety Grant Program

- The Department, through a 2008 DOT grant, purchased two rescue hydraulic extrication tool kits.

Highlights

- The Department underwent its second reaccreditation process with a site visit from a CFAI Peer Assessment Team in May 2010.
- The HOSES project was upgraded to include additional GIS layers and improved functionality, which includes real-time incidents and resource displays.
- As a member of the City's Public Safety Oversight Committee, the AC continues to facilitate quarterly communication exercises in which interoperable communication solutions are practiced to enhance voice communications between City, State, and federal agencies.
- As a member of the Statewide Communication Interoperability Planning Committee, the AC also participated in the planning and development of statewide and Oahu Regional tactical interoperable communication plans. Developments of these plans were prerequisites for the DHS Public Safety Interoperable Communications grant.

Emergency Response and Significant Incident Statistics

	<u>FY 2010</u>	<u>FY 2009</u>	<u>FY 2008</u>
Fire-Related*	16,254	16,149	15,728
(Fires, rescues, HM, good intent calls, service calls, false calls, and others)			
Emergency Medical*	24,808	24,933	23,760
Dollar Loss*	\$13,613,535	\$17,185,259	\$13,849,091
Fatalities**			
Fire Personnel.....	0	0	0
Civilians.....	3	3	4
Injuries**			
Fire Personnel.....	15	13	12
Civilians.....	11	22	24

* Based on the National Fire Incident Reporting System and the HFD Fire Investigations database

** Based on the HFD Fire Investigations database

Significant Events

The HFD responded to 33 building fires that resulted in a fire loss of \$100,000 or more. The following are significant fires with over \$500,000 in fire loss:

235 South Beretania Street, Honolulu	August 12, 2009	\$800,000
45-906 Anoi Road, Kaneohe.....	October 30, 2009.....	\$600,000
337 Liko Lane, Honolulu	November 18, 2009	\$525,000
1389 Ala Hoku, Honolulu.....	January 13, 2010	\$650,000
2182 Round Top Drive, Honolulu	February 2, 2010.....	\$525,000
760D Hauoli Street, Honolulu	February 26, 2010.....	\$600,000
1801 9 th Avenue, Honolulu.....	March 11, 2010.....	\$600,000

Department personnel responded to 525 wildland fires. During the last FY, the Department responded to 431 wildland fires. The difference represents a 21.8 percent decrease in wildland fires.

FCC

The FCC continues to be the vital link between the public and the Fire Operations force. Through a modern system of communication equipment, including the computer-aided dispatching system, 800 megahertz (MHz) radio system, and MDTs, the FCC receives fire, rescue, and emergency medical calls and efficiently and rapidly dispatches companies to any location on Oahu.

In addition, they maintain direct contact with other emergency organizations/agencies, such as the Board of Water Supply; DEM; HESD; HPD; Aircraft Rescue Fire Fighting (ARFF); DLNR, DOFAW; Honolulu Harbor; SCD; Federal Bureau of Investigation; FFD; Hickam Fire Dispatch; Regional Dispatch Center (RDC) on Pearl Harbor; USCG; Hawaiian Electric Company; and various local and mainland central alarm companies.

Interoperable communications continues to increase as agencies became more familiar with its capabilities. It is proving to be invaluable during multiagency responses to emergency incidents. The 800 MHz technology provides the FCC various options for facilitating interagency communications (also known as interoperability) at any scene or incident islandwide.

Highlights

- The FCC BC serves as the First Vice President to the Association of Public-Safety Communications Officials (APCO) and National Emergency Number Association (NENA) Pacific Chapters. Beginning January 2011, he will serve as their President. The APCO and NENA are the two primary organizations in the 911 industry addressing present issues and future changes. These changes include technology, management of 911 call centers, Next Generation 9-1-1 (NG9-1-1) Standards, P25 Radio Compliance, and various dispatch-related certifications and accreditation. The APCO and NENA Pacific Chapters hosted an educational forum titled, "9-1-1, Preparing Hawaii for Change" in March 2010 in an effort to educate City and State leadership on changes to the present 911 system. The changes that NG9-1-1 will bring were also discussed.
- The FCC continued to foster closer working relationships with the other Oahu Public Safety Answering Points (PSAP) to prioritize the needs for presentation and representation with the State Wireless Enhanced 911 Board. The HFD, Department of Information Technology (DIT), HESD's EMS Division, HPD, Hickam Fire Dispatch, and RDC comprise the Oahu PSAP Group. An enhanced, coordinated effort to secure resources from the State Wireless Enhanced 911 Board to benefit Oahu PSAPs was the top priority.
- The FCC BC became a member of the State Wireless Enhanced 911 Board's Technical Committee. He is also a member of the board's investigative committee, which was formed to rewrite existing legislative language that would allow the Board to address all wireless issues, including NG9-1-1. Work on this project is already in progress for the 2011 legislative session. The Oahu PSAP Group has made meaningful contributions to the State Wireless Enhanced 911 Board.

- During the 800 MHz rebanding project, the HFD's base radios and Radio over Internet Protocol (RoIP) gateway radios were programmed with a conventional talk-around radio feature, which enhances the HFD's radio capabilities. The radio-to-radio capabilities allow companies to communicate with one another through the base, mobile, or handheld radios even when repeater and antenna sites are nonfunctional. Additionally, the FCC now has the capability to communicate with field personnel via talk-around through the RoIP gateway radios.

Radio Shop

The Radio Shop executes the planning, acquisition, maintenance, and repair services for the Department and City's radio communication systems. It also provides programming, preventive maintenance, and repair services for the DEM, Department of the Medical Examiner, Department of the Prosecuting Attorney, Liquor Commission, Ocean Safety, and ARFF.

In addition to the mobile radios, the Radio Shop installs and services electronic warning systems, light bars, sirens, Opticom traffic light controls, and on-board intercom systems for fire apparatuses.

At the fire stations, the Radio Shop installs and maintains radio communications equipment, base radios, and emergency call and public address systems. Troubleshooting support is provided to the DIT to maintain the MDTs, which are installed in Department vehicles.

Highlights

- The Radio Shop incorporated national "must-carry" conventional 800 MHz mutual aid channels in all new radio personalities as part of the frequency rebanding project. The new channels will facilitate interoperability between emergency responders from different jurisdictions. Standard operating channels will allow emergency personnel to quickly enter a local communications network under the direction of the Incident Commander. The National Public Safety Telecommunications Council reserved another set of channels that were also programmed into each radio.
- Part of the rebanding project included plans to reconfigure radio sites serving Windward Oahu. Four radio repeater sites between Waimanalo and Kawela were successfully combined into one "simulcast" site. Simultaneous broadcast operation will increase the system's call capacity in Windward Oahu, and the additional channels made available by the reconfiguration will allow for system expansion at other sites around the island.

City Radio

The City's two-channel, very high frequency (VHF) radio communication system consists of 5 mountaintop stations; 26 consoles at corporation base yard radio stations; and 616 mobile and 240 portable transceivers. The Federal Communications Commission will allow the City to operate the VHF system until 2013. The system will be shut down in 2013 because it is not narrowband-compliant.

Several City agencies, including the Honolulu Zoo, Hanauma Bay, Neal S. Blaisdell Center, and three wastewater treatment plants, share an ultra high frequency channel. Users of this channel primarily operate with portable radios and will move to the 800 MHz trunking system by 2013.

Highlights

The Department of Environmental Services, Department of Facility Maintenance, and Department of Parks and Recreation's Division of Urban Forestry were selected as emergency support responders. Creating solutions for radio interoperability is the first step in fulfilling this new role. Radio personalities are being developed to meet the unique needs of each group. Eventually, all local government radio operations will transition to the 800 MHz trunking system.

SUPPORT SERVICES

Under the direction of an AC, Support Services manages and coordinates the operations of the Fire Prevention Bureau (FPB) and the Training and Research Bureau (TRB).

FPB

The FPB's mission is to promote fire and life-safety programs that assist the HFD in accomplishing its mission of mitigating loss of life, property, and damage to the environment.

Hawaii State law and the City Charter assign the following responsibilities to the Fire Chief:

- Conduct fire code compliance inspections
- Investigate fires to determine origin and cause
- Provide fire safety education to the community
- Review and adopt fire codes
- Review building construction fire plans

The Fire Chief fulfills these responsibilities through the efforts of the FPB, which is staffed with 35 uniformed employees and 2 civilians. The FPB is organized into the following sections: Administrative and Technical Support Services; Code Enforcement; Fire Investigations; Fire Safety, Education, Public Information, and Community Relations, more commonly known as Community Relations/Education (CRO); and Plans Checking.

Highlights

- The State Fire Council (SFC) is mandated by Chapter 132 of the HRS to adopt a State fire code, and on January 1, 2010, the 2006 edition of the NFPA 1, Uniform Fire Code with state amendments was officially adopted as the Hawaii State Fire Code. In June 2010, the FPB finalized county amendments to the Fire Code of the City and County of Honolulu and will proceed with its adoption in the next FY.
- The SFC Administrator/FPB BC continued to serve as a member of the State Building Code Council (SBCC) and attended monthly SBCC meetings.
- Effective April 16, 2010, Governor Linda Lingle approved the Hawaii Administrative Rules for the State building code, the State electrical code, and the State plumbing code. In June 2010, the SBCC formed an investigative committee to study the implementation of and opposition to the fire sprinkler requirement of the 2009 International Residential Code for one- and two-family dwellings.
- The design of all State building construction shall be in compliance with the State building code, including the State fire code, within one year of its effective date.
- Under the vigilance of the SFC, the following legislative bills were submitted or supported in the 2010 legislative session:
 - A bill to fund two full-time positions for the SFC using fees collected from the reduced ignition propensity cigarette program. Although the bill failed to pass, funds were appropriated to the State Department of Labor and Industrial Relations for two part- and full-time SFC positions.
 - Forty-two bills relating to fireworks were introduced or carried over from the previous year’s session. Bills supported by the SFC include a proposed statewide ban of fireworks and approval to allow the counties to enact stricter regulations that would make the arrest and prosecution for the illegal purchase, possession, setting off, igniting, or discharging of fireworks easier and increase the penalties and consequences for convictions of fireworks violations.
 - A bill to allow the counties to enact stricter fireworks regulations (Act 170) and the establishment of nuisance abatement property forfeiture actions for illegal fireworks convictions (Act 136) passed. Act 170 also formulated a multiagency task force to provide recommendations to address the increasing use of illegal aerial fireworks and improvised explosive devices.
 - Carryover bills to provide for retrofit fire sprinkler tax deductions and prohibit the sale of novelty lighters did not pass.
- The SFC coordinated the following National Fire Academy (NFA) training courses:
 - Courtroom Preparation and Testimony for First Responders
 - Fire Prevention for High Risk Populations: Age and Disability Factors
 - CS for Structural Collapse Incidents (sponsored by the DHS, U.S. Fire Administration)
 - National Incident Management System (NIMS): ICS for the Fire Service
- There was less than a 1% decrease in the number of fireworks licenses and an 18% increase in fireworks permits issued. New Year’s Eve was widely perceived as having an excessive amount of illegal aerial fireworks usage. Numerous bills regarding fireworks were submitted and considered during the legislative session; however, none passed.
- The FPB generated and published the FPB Procedures Manual, which delineates the FPB’s inspection responsibilities, illustrates its organizational structure, and lists the functions and responsibilities of its personnel. Procedures for the management of bureau personnel, guidelines in performing the various tasks that may be assigned to Fire Inspectors, and supplementary information are included.
- The FPB continues to prioritize inspections based on the Department’s Risk Assessment Plan. For three years, the FPB and Fire Operations personnel have documented fire inspections in the Fire Inspection Database (FID), which was developed with the assistance of the DIT. A request for service was submitted to the DIT to implement improvements to the FID, such as additional data fields to increase the accuracy of information captured by the FID.
- The City Auditor’s report, *Audit of the Honolulu Fire Department’s Fire Code Inspection Program for High-Rise Residential Buildings*, was reviewed by FPB staff. The audit described a number of deficiencies in the HFD’s inspection program. A primary deficiency was the incomplete inventory of high-rise buildings on Oahu. FPB personnel are working to resolve this deficiency by exploring several different solutions, one of which is to spatially display information from the FID.
- The FPB updated and created additional content for the HFD website and included information to increase fire safety awareness for the general public. The updated material will be published by the DIT as their resources are allocated.

Statistics

Code Enforcement

<u>Inspection by Risk Category</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Maximum.....	2,440	2,316	2,103
High.....	592	64	73
Moderate or Special.....	176	647	582
Low	82	124	142
Total.....	3,290	3,251	2,900

<u>Occupancy Inspections</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Assembly "A".....	311	188	190
Business "B".....	1,319	1,906	1,182
Retail and Wholesale "M".....	301	94	458
Warehouse and Storage "S".....	103	173	162
Educational Facilities "E".....	146	192	148
Institutions "I".....	10016	107	
Hazardous Facilities "H".....	141	215	122
Residential "R1".....	726	937	511
Factory "F".....	17	41	18
Total.....	3,164	3,762	2,898

<u>Permit Inspections</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Assemblies.....	43	32	29
Flammable Finishes.....	52	63	65
Fireworks.....	28	243	242
Total.....	123	338	336

<u>Other Activities</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Night Inspections.....	99	77	78
Referrals.....	315	295	308
Reinspections.....	3,060	3,688	3,781
Notices of Violation.....	929	660	840
Final Notices.....	158	132	146
Total.....	4,561	4,852	5,153

Plans Checking

<u>Activities</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Plans Approved.....	1,930	1,861	1,607
Flammable/Combustible Permits	16	20	58
Liquefied Petroleum Gas Permits....	23	40	50
Temporary Structure Permits.....	16	14	29
Fire Alarm System Tests.....	342	462	370
Range Hood System Tests.....	70	75	74
Ohana Inspections.....	38	36	36
On-Site Inspections.....	102	108	155
Correspondence Generated.....	128	128	88
Total.....	2,665	2,744	2,467

Fire Investigations

<u>Activities</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Structure Fire Investigations.....	105	106	94
Automobile Fire Investigations.....	7	11	12
Watercraft.....	3	2	4
Wildland Fire Investigations.....	3	2	10
Other.....	5	7	6
Total.....	123	128	126

Administrative and Technical Support Services

<u>Activities</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Fireworks Licenses.....	217	183	182
License Fees Collected.....	\$166,000	\$145,000	\$139,000
Fireworks Permits.....	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Public Displays.....	58	87	72
Special.....	207	213	242
Satellite City Halls.....	9,377	7,043	8,174
Total.....	9,642	7,343	8,488

<u>State Department of Health</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Fireworks Injuries.....	121	99	106

<u>HPD</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Fireworks-Related Calls.....	1,993	1,757	2,189

<u>Inspections</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Preschools/Day Care.....	85	98	70

<u>Other Activities</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Correspondence Generated.....	629	601	650
Final Notices Issued.....	114	74	65
Referrals.....	238	357	299
Total.....	981	1,032	1,014

SFC

<u>Workdays (8 Hours)</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
BC.....	30	60	65
Captain.....	10	25	20
SFC Administrative Assistant.....	190	185	155
Legislative Liaison.....	66	145	0
Total.....	296	415	240

In-Kind Contributions
to the SFC.....\$34,625.....\$35,000.....\$34,500

Company Inspection Program*

<u>Inspections</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Residential.....	61,396	58,936	56,549
Assembly.....	234	176	100
Business.....	1,848	2,067	2,296
Factory.....	8	59	47
Education.....	38	96	127
Storage.....	101	110	50
Mercantile.....	240	312	320
Utility.....	5	2	2
Total.....	63,949	61,758	59,491

*The FID was first utilized in FY 2008.

CRO

The CRO is the liaison between the community and the HFD. Its primary responsibilities include coordinating ceremonies, funerals, and other HFD events. When requested by the public and approved by the Fire Chief or his designee, this section coordinates fire apparatuses and personnel to promote fire safety awareness and education. The CRO also provides fire safety education to the public via direct delivery of educational presentations, the production and coordination of the Fire Fighter’s Safety Guide (FFSG), and the SAFE Program.

Highlights

- Coordinated and distributed the 24th edition of the FFSG to 135,000 students attending private and public schools statewide, including those who were homeschooled and in prekindergarten, during FPW on October 4-10, 2009. The FFSG is a children’s workbook with important fire safety messages. Each year, the HFD endeavors to provide relevant and vital fire safety messages to children through this workbook.
- Participated in a statewide lei collection for the 2010 Mayor’s Annual Memorial Day Service held at the National Memorial Cemetery of the Pacific. Over 50,000 lei were collected and taken to fire stations, island schools, and various City facilities.
- Coordinated promotional, commendation, and FFR graduation ceremonies.
- Coordinated HFD Honor Guard services for the FFR graduation and the Mayor’s Fourth Annual Remembrance Walk.
- Coordinated funeral services for 17 retired HFD personnel. These services support our FF’s families and honor their loved ones by a dignified display of respect and brotherhood.
- Issued 80 cuddle bears to various suppression companies. The cuddle bears allow FFs to console and comfort young children at the scene of a traumatic event.
- Coordinated 74 community projects for charities and agencies, including the Aloha United Way; the American Cancer Society; the American Red Cross; the Blood Bank of Hawaii; Children and Youth Day; the Hawaii Foodbank; the King Kamehameha Celebration Commission; and Parents and Children Together.
- Coordinated 65 fire truck visits to various schools. These visits are interactive fire safety education sessions with close interaction with FFs and a fire truck. These presentations leave a memorable and positive impact on the children and reinforce important life-saving concepts about fire safety.
- In April 2010, the CRO section received a Bullex fire extinguisher simulator and began conducting public fire extinguisher classes in May. The simulator senses when a person is using the mock extinguisher correctly, and a fire image in an enclosed screen is extinguished accordingly. The kit is portable and typically available at group presentations.
- The Keiki House Fire Safety Trailer has been decommissioned and will be replaced. In lieu of the trailer, various props are used in the classrooms.
- The Honolulu Fire Museum and Education Center remains closed to the general public pending administrative issues.

Educational Presentations by Education Fire Inspectors

<u>Activity</u>	<u>Number</u>	<u>Attendees</u>
Career Presentations/Fairs	31	16,127

Fire Evacuations

Drills	27	14,235
Plans	14	438
Fire Extinguisher Training	29	1,004
Fire Safety Presentations	46	3,067
Health and Safety Fairs	13	3,380

TRB

The TRB is located at the Charles H. Thurston Training Center and tasked with assisting, planning, coordinating, and evaluating the HFD's training activities. To fulfill the Department's mission statement, quality, dynamic, and essential training is provided for Department personnel through various training programs. These programs help to ensure that responses to incidents, emergencies, and public assistance are performed in a safe, efficient, friendly, and professional manner.

New and continuing research and testing are conducted on the latest technology and techniques in the areas of apparatus operations, driver training, emergency medical response, fire fighting, HM, rescue operations, terrorism, water safety, and more. The TRB also coordinates cardiopulmonary resuscitation (CPR) instruction for the public.

The TRB staff is committed to developing highly-trained, professional, and motivated personnel who provide quality service to Oahu residents. During FY 2010, the TRB coordinated the following training for over 2,000 students:

- Apparatus Operation
- Basic Fire Fighting Skills Evaluation (BFSE)
- Basic Life Support Training Center Faculty
- Bauer Breathing Air Compressor
- Biennial Emergency Medical Refresher
- CAFS
- Computer-Aided Management of Emergency Operations
- Critical Incident Stress Management
- Drug and Alcohol Awareness
- Emergency Medical Technician-Basic (EMT-B)
- HM Incident Management
- HM Technician Course (Chemistry)
- HM Technician Course (Tactics)
- HM Technician Refresher
- Kidde Mobile Fire Fighting Trainer-Live Burn Training
- NFA Courtroom Preparation and Testimony for First Responders
- NFA Fire Prevention for High Risk Populations: Age and Disability Factors
- NFA ICS for Structural Collapse Incidents
- NFA NIMS: ICS for the Fire Service
- NFA/Training Resources and Data Exchange Command and Control of Incident Operations
- Pierce Truck Familiarization
- Prehospital Trauma Life Support Recertification for EMT-Bs
- Pumping Apparatus Driver/Operator (PADO)
- SCBA Competency
- SCD-sponsored ICS 300 Intermediate Course
- State EMT-B Certification Bridge Course
- Third-Party Evaluator for FFs, HM Awareness, HM Operations, and Pumping Apparatus

Administrative

This section maintains the training center and schedules and/or coordinates its daily operations. The TRB maintains an active schedule by facilitating its instructional programs with organizations such as the American Heart Association, the IFSAC, the NFA, the National Registry of Emergency Medical Technicians, and the National Safety Council (NSC).

Additionally, this section oversees personnel training data input into the RMS when training is conducted at the facility. The RMS, which is managed by P&D, provides fire personnel the ability to input and extract incident reporting, training documentation, and occupancy information data.

Apparatus Operation

The Apparatus Operation section maintains an HFD compliance program that meets or exceeds federal and DOT Commercial Drivers License requirements. The following programs are administered to address national standards, licensing, or Departmental requirements:

- Apparatus Operation Training (AOT)
- City Operator's Certification Training
- Driver Improvement Training
- Forklift and All-Terrain Vehicle Operator Course
- NSC's Coaching the Experienced Driver 4+2 Course
- Vehicle Accident Review

Fire Operations personnel are relied upon to provide decentralized training and recertification through the Department's field and FF III driver training programs.

Career Development

The Career Development section promotes professional development of HFD personnel through policies and training programs to meet nationally-recognized standards. The HFD maintains accredited status from the IFSAC to certify personnel to NFPA standards under the direction of the Certification Program Manager. The certified programs are as follows:

- HM Awareness, 2008 Edition
- HM Operations, 2008 Edition
- FF I, 2008 Edition
- FF II, 2008 Edition
- PADO, 2003 Edition
- Aerial Apparatus Driver/Operator, 2003 Edition
- Tiller Apparatus Driver/Operator, 2003 Edition
- Fire Officer (FO) I, 2003 Edition
- FO II, 2003 Edition
- Fire Service Instructor (FSI) I, 2007 Edition
- FSI II, 2007 Edition
- Surf Rescue I, 2008 Edition (first accredited program of this type in the nation)

Fire and Special Operations

These sections develop and coordinate instruction and training for personnel in areas such as basic fire fighting skills, live burns, water safety, automobile extrication, FFR training, exercises and drills, HM Incident Management, HM Technician, HM Operations, and weapons of mass destruction awareness.

In addition, these sections maintain a close relationship with other governmental and private agencies involving HM response concerns.

Medical

The Medical section conducts initial and recurring medical training for HFD personnel, reviews medical emergency responses and documentation, coordinates CPR classes for the community, and manages public health awareness programs. A Medical Director oversees this section's programs. Quality control is measured through continuous audit, review, query, and reports on operations recorded in the RMS and cardiac arrest rescue link data specific to emergency medical responses.

This section also manages the HFD's Automatic External Defibrillator (AED) Program. Since the program's inception, over 192 persons have been saved using an AED and/or CPR.

Highlights

- Live burn training was implemented in January 2010 using the burn trainer unit. Each event incorporated 8 to 10 basic fire fighting skills based on NFPA standards with five to eight participating companies.
- The BFSE Program was initiated in January 2010. This program evaluates basic fire fighting skills with TRB, field BCs, and Operations personnel serving as evaluators.
- The Water Safety Program was initiated at the company level in March 2010 when the program and equipment were placed into service.
- The first State EMT-B Bridge class was implemented in May 2010.
- Computer-based training to bridge AOT hydraulic pump calculations to International Fire Service Training Association PADO pump calculations was authorized for implementation and completed on July 15, 2010.
- The Initial Size-up Decision Making Program is in the developmental stages and involves command and control training for the first-in company officer at structural fire calls.