Annual Report 2011

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Fire Prevention Bureau

The Fire Prevention Bureau is staffed with one District Chief, Three Fire Captains, seven Fire Specialists, one Firefighter, one Clerk Supervisor and two Clerk Typist 3's.

The Fire Prevention Bureau utilizes and enforces the Cincinnati Fire Prevention Code and the Ohio Fire Code. Compliance with these codes helps to prevent loss of life and property in the City of Cincinnati.

In addition, the Fire Prevention Bureau has numerous outreach programs to help educate the public on fire safety and other life saving procedures such as its Media Release Program, Children and Senior Citizen Education Programs and its Smoke Alarm Distribution Program.

The Bureau also is responsible for organizing the Fire Department's Memorial and other special Fire Department events.

During 2010 the Fire Prevention Bureau continued its positive work relationship with the Building Officials located at the City's Building Development and Permit Center; known as One Stop Shop to ensure that all fire codes and issues are addressed during pre-development, renovations, and construction phases. This One Stop Shop approach has allowed for a customer service oriented approach for all businesses and citizens in the City of Cincinnati.

In 2010, the Bureau continued with its efforts to train all uniformed fire officials in our Department on the Department's new computerized Fire Field Inspection Module. The purpose of the module is managing, completing, and documenting fire inspections. CAGIS developed the Fire Field Inspection Module to help the Department to utilize 21st century technology to accomplish its inspection goals. The program will enable the Fire Department to verify

ownership of properties, coordinate and communicate with Fire Prevention Bureau, the Building Department, and the Health Department.

The Fire Prevention Bureau reports and is involved in the Hazard Abatement Program through the Property Maintenance Staff of Community Development to combat blighted and unsafe properties throughout the City. Reports are submitted and read into testimony during Public Nuisance Hearings. Based on these reports and hearings, properties determined to be public nuisances are placed on a list for demolition by government action. The owners of buildings demolished are then billed for the contractor's costs. With the economic downturn and foreclosures increasing, the number of distressed and hazardous properties continues to rise.

The Department's Safe Summer Nights Program has been an ongoing successful program that distributes smoke alarms, batteries for smoke alarms, and carbon monoxide alarms to the citizens of Cincinnati. The Cincinnati Area Chapter of the American Red Cross donated the smoke and CO alarms and batteries, while the Cincinnati Fire Department distributes and installed the items. 2304 smoke alarms, 11carbon monoxide alarms, and 359 new smoke alarm batteries were distributed and/or installed during the 2010 Safe Summer Nights Program.

The Fire Safety Educator Coordinator for the Cincinnati Fire Department maintains a National Certification as a Fire/Safety Educator. Fire Prevention participated in 125 special Fire Safety Educational programs throughout 2010.

Fire Prevention also continued in its efforts to help our members to effectively utilize the Knox Rapid Entry System. The system was introduced to allow businesses to purchase a key box which enables fire companies to gain entry into properties during emergencies. This reduces the need for fire companies to force entry into buildings and reduce damage.

The Bureau continues to address and inspect Places of Assembly for maximum occupancy limits and compliance with the Cincinnati Fire Prevention and Ohio Fire Codes. During 2010, new outdoor seating areas were reviewed for approval as businesses requested. The Fire Prevention Bureau continues to deliver Educational Safety and Fire Prevention Programs to educate the public. These programs are tailored to the individual audiences to

address hazards for at risk groups. Among these include participation in Safety Fairs, Senior Safety Fairs, and Fire Drills.

Fire Specialists from the Fire Prevention Bureau witnessed 486 acceptance tests for fire suppression and alarm systems during 2010.

Members of the Fire Prevention Bureau have performed 35 inspections for new day care facilities, which includes type “A” and type “B” home day care and day care centers. 52 foster care inspections were conducted. These are basically residential inspections with close attention being paid to smoke detectors, evacuation plans, and fire extinguisher locations.

Occupancy signs were made, delivered and

tracked for all places of assembly within the City of Cincinnati. Over 160 new signs were issued in 2010.
Hospital, group home, and nursing home safety inspections have continued during 2010. 14 new group homes, 25 Adoption Home Inspections, and 35 In-Home Day Care Inspections were performed. There were 58 complaint fire inspections investigated. Members of the Fire Prevention Bureau attended meetings to assist hospitals, nursing homes, and group homes.

During 2010, the Fire Prevention Bureau Clerical Staff processed 1,874 renewals and 478 exempt application and permits, both new and renewals, on a daily basis and permit issuance on an annual basis; in addition to logging in 183 inspection requests and 72 complaint forms.

The Fire Prevention Bureau Clerical Staff supported the uniformed members of Fire Prevention in all accomplishments that were achieved during 2010, the scheduling of fire alarm and sprinkler test, fire drills and inspections. In addition to filling customer service requests and other related activities.
The Fire Prevention Bureau's District is the HIPAA Privacy Officer and Records Custodian. In those capacities, the member provides the public and others media releases and other important information.

Cincinnati Fire Training Human Resource Bureau

The Cincinnati Fire Training Human Resource Bureau much like the Fire Department for the year 2011, underwent quite a bit of change while involved in a rather busy year. The first adjustment to this Bureau was the loss of Captain Michael Washington who began assuming the duties of liaison to Fire Communications and the promotion of Captain Raffel Prophet to the rank of District Chief. In the early spring of 2011, the Human Resource Bureau was joined by newly promoted Captain Sherman Smith. Other adjustments were promotion of Lt. Kelly Callen to Captain and his replacement by Lt. Curtis Goodman and an exchange of Admin Techs Terri Destefano and Laura Wilson. The Bureau operations continued to be headed by DC Randall Freel and the newly promoted Bureau Chief, Assistant Chief Roy Winston.

In addition to the changes in manpower, the Human Resource bureau was involved in a number of projects during the year. These training programs were as follows:

- Ladder refresher training which was conducted in a new model taking place in mini drills conducted at each fire house.
- Along with Central Stores, the distribution and training of all members on the new 1 ¾" (Blue bumper) Chief nozzle.
- Flow and pressure testing of complete fleet of nozzles which was translated in to a revision of the pump chart.
- Critical maintenance of Flashover Simulator involving stripping and re-insulating of flashover simulator.
- Worked with Support Services and Apparatus Vendor with the acceptance training of new type of Aerial apparatus.
- Worked with Support Services with the acceptance training of new acquisition off Thermal Imaging Cameras.
- Worked very closely with EMS operations on the development, distribution and acceptance training on new EMS billing hardware and software.
- Worked closely with Administration Bureau in the acceptance training of new Self Contained Breathing Apparatus.
- Developing a transition to online training with the recently acquired CentreLearn product.

- Maintained ongoing program for verifying members being turned to “ride-in-charge” and Utility Drivers.
- Maintained ongoing program for revision of procedures and operational directives for the fire department.

In addition to the project oriented items, the Bureau continued to maintain responsibility of the management of limited duty members as well as a great deal of involvement with the audio visual matters of the Fire Department. The AV Department has been key in the production of many videos that aided in each of the programs mentioned above. They have been instrumental in the publishing of the State of the Fire Department addresses of the chief as well as being an important part of the newly developed Cincinnati Fire Department Media Team. This media team has made huge strides in improving the face of the Fire Department in the community. If it is going on in the fire department, the media team has been there and busy documenting it. They are a large part of customizing the CentreLearn product as well as maintaining ongoing projects like: maintaining A/V support for 5 training rooms, support to accountability tag systems and employee IDs. Some of the AV’s specific accomplishments are as follows:

- Live video of the memorial to the jumbo-tron, CitiCable and all the City Departments.
- Production of first promotional ceremony in three years at the School for the Performing Arts.
- Live ceremony of the Fire Chief's swearing in at the new Engine 51.
- Broadcasting of swearing in ceremony of the new Police Chief.
- Production of online training for the SafetyPad EMS software program.
- Production of training video for new Aerial Ladder trucks.

The recruitment portion of the Bureau, staffed by Lt. Harold Wright, continued involvement in a planning phase to ready the bureau to take up the charge of replacing the near 80 member deficiency in staffing. The recruiting lieutenant has been working behind the scenes to refine the recruitment process by trouble shooting the physical fitness assessment portion of the process as well as working on the development of an updated recruitment brochure which is ready for production. Additionally, Lt. Wright has been involved in bringing other members of Training up to speed on a clearer process, utilizing newly trained members, for processing candidates through the recruitment process. This has been done while working closely with bureau heads.

Operations 2011

The Operations Division is under the command of Assistant Chief Mose DeMasi. His principle management responsibilities are fire suppression, emergency medical service (EMS), hazardous materials mitigation and explosive ordinance disposal (bomb squad). He supervises the assignment of personnel within the four districts, manages overtime and above grade pay. The Operations Assistant Chief monitors all reports and correspondence from division personnel.

The Operations Division is the largest division of the Cincinnati Fire Department. The division employs 18 district fire chiefs to staff 4 fire districts. The division has 26 engine companies, 12 truck companies, 2 heavy rescue units, 2 EMS supervisors, 1 bomb unit (Engine 14), 2 foam units, 4 zodiac boats, 1 fire boat, 1 airport crash vehicle, 1 light plant. 12 Advanced Life Support Medical Transport Units. They are located throughout the city in 26 fire stations. To be fully staffed, the division needs 191 members daily.

In March of 2011, the Cincinnati Fire Department became an all advanced life support medical service. There is a paramedic responding on every emergency medical response. All medical responses provide advanced life support capability.

Operation's personnel handle all fire, rescue, hazardous material and emergency medical calls. Units arrive on the scene within six minutes, 90% of the time. The division staffs all engine, truck and heavy rescue companies with 4 firefighters. The Operations Division provides a continuity of service related to fire.
suppression, water rescue, hazardous materials and EMS. The division is responsible for communicating with local law enforcement and coordinating activities at emergency scenes. In addition, the division acts as liaison with the U.S. Coast Guard concerning emergencies on the Ohio River.

The daily management of all fire, EMS and specialty companies is the responsibility of (15) 48-hour district chiefs. They are responsible for the daily staffing, activities, and discipline. They are the incident commanders at the majority of fires and hazardous material incidents.

Three 40-hour district chiefs are assigned to the Operations Division assistant chief. 40-hour district chiefs can assume the responsibilities of the Operations Division assistant chief in his absence. One 40-hour district chief assists the

division chief with coordinating and staffing of 800 firefighters within the department's four fire districts. He also handles SWP issues and documentation, daily staffing records, all bureau reports, vacation and holiday scheduling. The second district chief is in charge of EMS operations within the division. He is a liaison with EMS community and area hospitals. The third district chief is the

special operations chief. He is responsible for the strategic management and training of the specialized units, 2 Heavy Rescue Units, 1 Bomb Squad, 5 boats, 2 Foam Units and 1 Airport Crash Rescue vehicle (Lunken Airport). All 40-hour district chiefs are representatives on various committees.

One 40-hour captain is assigned to the Operations Division to assist the 40-hour districts chiefs and assume their responsibilities in their absence. He assists bomb squad and hazardous material personnel with training arrangements and travel. He also is a representative on various committees.

Emergency Medical Services Section

The Emergency Medical Services Section Unit is staffed with one administrative District Chief, one administrative Fire Lieutenant, and six Fire Lieutenants that serves as ALS 34/Emergency Medical Supervisors.

The Emergency Medical Services Section works under the direction of the Fire Chief and the Assistant Chief of Operations, while working closely with the Medical Director, in the design of training and operations programs which comply with legal mandates, health issues, and

minimization of legal liabilities. The work involves coordination of the EMS first responder and transport services within the Operation Bureau. The Section personnel recommend programs and policies and coordinate services with other Department personnel, other City Departments, other Emergency Medical Services and the medical community.
The Emergency Medical Services Section represents the Department as a liaison to local hospital emergency departments, health care providers and other EMS Agencies. The Emergency Medical Services Section works with area hospitals to keep good relations between them and the Fire Department.

The Emergency Medical Services Section investigates reviews and mitigates Emergency Medical Services complaints as well as providing technical guidance and assistance to the operation section District Chief and the Internal Investigative Section.

The Emergency Medical Services Section works with the City Solicitor assisting in preparation of legal cases involving Emergency Medical Services. It coordinates and facilitates Emergency Medical Services personnel and equipment required at many of the Special Events throughout the City. It assists in the purchasing/bid/ evaluation of medical supplies and equipment. Also assists paramedics and EMTs in providing the appropriate training and documentation to maintain paramedic and EMT certification.

ALS34 non response statistics	
COMPLAINTS FIELDED	53
PATIENT INTERVENTION REQUEST	4
FIREFIGHTER INJURY/EXPOSURE REPORT	51
FIREFIGHTER EXPOSURE REPORT	9
NOTEBOOKS EXCHANGED/REPAIR	96
REPORTS SUBMITTED TO CORONER	116
NUMBER OF DAY'S HEAT TOTALS OBTAINED	25

The Emergency Medical Services Section implements continuous quality improvement practices in patient care reporting as well as identification and recommendations for system improvements in order to meet established pre-hospital care standards and continually improve employee performance resulting in improved patient care.

The primary goal of the Emergency Medical Services Section is to assure that responding units provide excellent emergency medical pre-hospital treatment and transportation to the public in order to reduce morbidity and mortality and to deliver patients to definitive care in a timely and fiscally responsible manner.

Major accomplishments for 2011 in Emergency Medical Services:

- The department upgraded the EMS system by assigning a paramedic to every firehouse. This change put a paramedic on every EMS run the department makes. This provided a major upgrade in the medical care delivered to every patent contacted by the department. This provides Advanced Life Support to all patients. This project was a complete makeover of the EMS system deployment and positions the department to better respond to the changing needs of the city.

Response statistics for ALS34 and Medic Rescue Units for 2011	
SWAT	**116**
No Medic units available	49
HAZMAT	16
Fire Company Request	45
Fire responses	1010
Carbon Monoxide runs	29
Entrapments	145
Company Assist	115
Multiple Casualty	56
Other Dispatches	19
Total Runs	**1605**

•Implementation of a new Electronic Patient Care Reporting system (EPCR). This project was a complete over haul of the departments EPCR system. This upgraded the system for CAD direct interface with the Toughbooks in the field. This enables the department to collect better data from all EMS runs and provides an upgraded platform for patient care data gathering. This new system is called Safety/Pad.

•Implemented a new department EMS billing system. This new system works directly with the new EPCR system to provide better information for billing purposes. This new vendor is Med 3000.

•Created a new office of Fire EMS billing. This office is responsible for maintaining both the Safety/Pad system and the billing system and to ensure that the two systems interface properly.

•Expanded the continuous quality improvement system to include a complete performance based look at specific paramedic engine companies.

- Improved the access and processing of system data. This allowed for more appropriate analysis of system trends regarding the delivery of health care.

- During the ongoing nationwide prefilled drug shortage we were able to implement a drug redistribution program to maintain our prefilled drug levels on all paramedic companies.

- Provided IT with field user and medical/clinical system improvement recommendations for Emergency Medical Services Notebook modifications and upgrades.

- Reopened the department Paramedic class. This class is critical to the success of the ALS initiative. The 2011 class consists of 24 department students.

The Emergency Medical Services Section also participated in a variety of activities, meetings and worked with many organizations to assure that the Department's Emergency Medical Services System was able to deliver excellent service to the public.

Special Operations Command

In May of 2011, The Cincinnati Fire Department created the Special Operations Command (SOC).

The Special Operations Command is responsible for all non-traditional fire service responsibilities of the Cincinnati Fire Department as well as assisting the Operations Division with any special fire-hazard response occupancies. The Special Operations Command is responsible for all Technical Rescues (Trench, Confined Space, High Angle/Rope, Structural Collapse), hazardous materials

emergencies; all water emergencies, Explosive Ordinance Disposal (EOD) and Aircraft Rescue Fire Fighting (ARFF).

The Special Operations Command is supervised by District Chief Thomas Lakamp. The District Chief of Special Operations is responsible for the following:

- Supervision and management of all Special Operations Units

- Managing Special Operations training in coordination with the Special Operations Fire Captains. This includes initial and ongoing Rescue Technician
- and Hazardous Materials Technician in-house training as well as required continuing education for Explosive Ordinance Disposal technicians.
- Serves as a liaison to the Hamilton County Urban Search and Rescue Team (HCUSAR)
- Serves as a liaison to Ohio Task Force One (OHTF-1) – Urban Search and Rescue Team
- Manages the development of Standard Operating Procedures (SOP's) for the Special Operations Bureau and the development of SOP's for special operations-type emergencies for the awareness level responder (fire

companies) within the Operations Bureau.
- Liaison with Coast Guard and Northern Kentucky Fire Departments along the Ohio River to coordinate river emergency response.
- Liaison to Lunken Airport Director regarding Federal Aviation Administration requirements for fire protection and training of ARFF certified fire fighters.
- Assists the Operations Division with SOP development and training for response to special fire hazard occupancies (High-Rise, Hospitals, High-occupancy, etc.)

- Maintains the list of qualified Rescue Technicians, Hazardous Materials Technicians, Boat Qualified members, and EOD technicians within the Department.

Highlights of 2011 Accomplishments:

- Procured and received water safety equipment for all fire companies in the CFD.
- Conducted Boat operator training for Fire Boat 3 for all members of Station 3.
- Conducted Zodiac Boat operator and water rescue training
- Revised the Operations Manual Water Procedures and created a water operations guide.
- Conducted a joint disaster drill with University Hospital
- Deployed with OHTF-1 to Hurricane Irene with five members of the CFD.
- The SOC completed the Executive Management Course at the FBI Hazardous Device School
- Facilitated several Presidential and V.I.P. visits to the City for EOD services.
- Coordinated the Greater Cincinnati Fire Service involvement with the Phoenix Society - World Burn Congress through Shriner's Hospital.
- Participated in the Greater Cincinnati Airport – Signal 500 full-scale disaster drill.
- Represented the CFD at Local Emergency Planning Committee Meetings, Radiological Working Group and Area Maritime Security Committee Meetings..

Engine Company 14

Hazardous Devices Unit (Bomb Unit)

Engine Company 14, located at 430 Central Avenue, serves as the Department's Hazardous Devices Unit (Bomb Unit). Working in conjunction with the FBI, Secret Service, ATF and other agencies, this unit provides a regional response to incidents in the City as well as surrounding jurisdictions.

Selected members of Engine Company 14 are certified as "Hazardous Device Technicians" and have a high degree of initial and continuing education in the field. In addition to serving as the Bomb Unit, Engine Company 14 provides fire protection and paramedic service to its district.

The Hazardous Devices Unit fulfills its mission by detecting, evaluating and rendering safe suspected IED (improvised explosive devices), incendiary devices, explosives, explosive chemicals, pyrotechnics, ammunition, as well as WMD (weapons of mass destruction).

HR-14 Run Types	2011
V.I.P. Protection Details	9
Military Ordnance Responses	3
Bombings	3
Render Safe IED's	2
Hoax Devices	6
Recovery/Destruction of Explosives	7
Suspicious Packages	12
Public Demonstrations	5

In addition to its duties as a Fire / EMS company, the Bomb Unit maintains an extensive training program to stay proficient with the various specialty tools and equipment used such as F6A Andros robot, XRS 200 X-ray equipment etc as well as maintaining their certifications as Hazardous Material Technicians:

- **Daily 1 hour training sessions for Fire / EMS / Haz-Mat**
- **Weekly 8 hour training sessions for EOD equipment proficiency**
- **Quarterly 8 hour training sessions EOD tactics and Equipment updates**

Heavy Rescue 14 Annual Report

Cincinnati Heavy Rescue 14 is located at 430 Central Ave in downtown Cincinnati. Heavy Rescue 14 is quartered with Engine 14 and the Hazardous Devices unit. This is the 92nd consecutive year that Heavy Rescue 14 has been in service (previously designated Squad 52 and Squad 14). Heavy Rescue 14's tasks are to respond, rescue and mitigate all technical rescue situations including:

- **Hazmat**
- **Rope Rescue**
- **Entrapments**
- **Structural Collapse**
- **Confined Space**
- **Trench Collapse**
- **Water/ice rescue**
- **Aircraft Emergencies**

Along with the above listed items Heavy Rescue 14 responds to approximately half of the 1 alarm fires and all extra alarm fires in the City of Cincinnati. Because of the wide array of disciplines and specialized equipment a great amount of time and focus is on company training. Heavy Rescue documented 770 hours of company training in 2011. Heavy Rescue 14 has been working in conjunction with the Training Bureau to successfully complete ladder, thermal imaging camera and SCBA trainings in all City of Cincinnati firehouses.

Air Bottles Filled/Tested	Meters Repaired/Calibrated	SCBA's Serviced/Repaired
16046	452	1620

Heavy Rescue 14 also attends Hamilton County USAR trainings when the time and location permits, to familiarize ourselves with each agencies capabilities, equipment and personnel. Community businesses and MSD have invited Heavy Rescue 14 to the planning sessions for confined space, rail yard operations and high-angle work situations. This is so any ideas to facilitate sick or injured workers can occur quickly and safely in the event our companies are dispatched for an emergency situation.

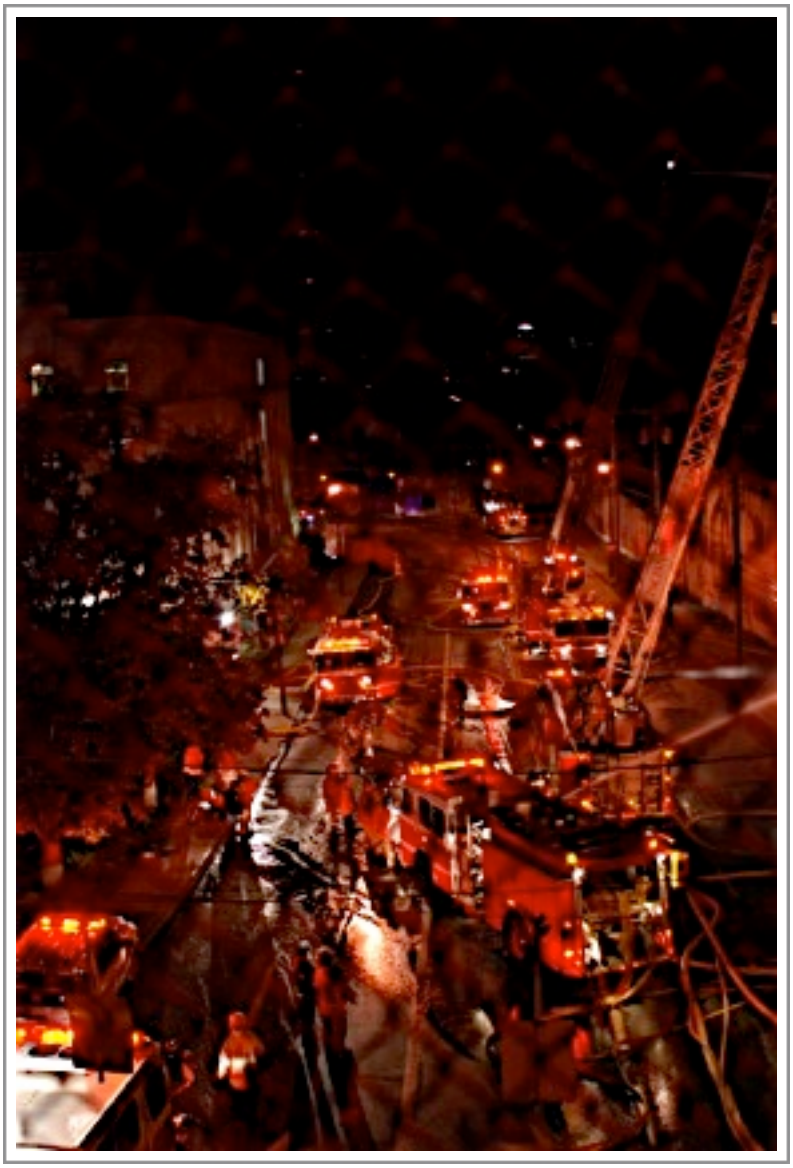
Heavy Rescue 14's members are certified mask maintenance technicians for MSA SCBA's. All SCBA repairs and tracking are performed by Heavy Rescue 14's members for the entire fire department. Meter service and tracking is also conducted by Heavy Rescue 14 as well as the mask services unit. Along with the 2006 Rosenbaur Heavy Rescue Apparatus, the company has at its disposal a tractor drawn trailer for hazardous materials response, a John Deere Gator and a Zodiac Mark III inflatable boat which are stored in quarters.

Annual Run Summary Heavy Rescue 14:

Run Type	Number of Runs	Working Time
‹1 Alarm	632	113:31
1 Alarm	99	85:56
2 Alarm	25	31:57
3 Alarm	4	10:29
4 Alarm	0	0
5 Alarm	0	0
False	18	3:16
Entrapment	119	34:59
Elevator	177	1:22
Trench	3	0:48
Water	6	1:22
Boat	21	6:09
Confined Space	2	0:08
Building Collapse	39	54:32
High Angle	1	00:00
HAZMAT	38	19:24
Aircraft	7	00:30
Other	199	00:31
Total	1390	364:54

Environmental Crimes Unit (ECU) 2011

The Environmental Crimes Unit (ECU) is responsible for the coordination of hazardous materials accidents, spills, releases and abandonment issues within the City of Cincinnati. Many of these incidents involve multi-agency responses from the federal, state and local level. The unit also is involved in performing special inspections, conducting investigations into complaints, and coordinating reports and referrals with other agencies.



Investigations conducted by the ECU originate from numerous sources, which include citizen complaints, anonymous complaints, referrals from fire companies and other outside agencies. The ECU processes all complaints and referrals, and the action taken is based on the findings of the preliminary investigation. Some cases may be resolved after a short investigation, while others require comprehensive investigative background checks, surveillance, and numerous interviews. Members of the ECU have received training in these areas as well as relevant laws and regulations.

An ECU investigation requires cooperation and networking throughout the City of Cincinnati, Hamilton County and neighboring counties in Ohio, Kentucky and Indiana. The Environmental Crimes Unit is located at the Regional Emergency Operation Center (REOC) at 2000 Radcliff Dr. in Price Hill. ECU continues its strong partnership with the Hamilton County Metropolitan Sewer District, Cincinnati Health Department, Cincinnati Police Department, Cincinnati Public Works, Ohio EPA, USEPA, United States Attorneys Office, Coast Guard and the FBI.

The Environmental Crimes Unit serves a supporting and investigative role at hazardous materials and other environmental emergencies. Whether it is gathering chemical information about a known substance, or attempting to identify an unknown chemical. ECU can respond to the scene with the resources necessary to accomplish a variety of tasks. This would include taking soil and water samples, or air monitoring in designated areas, not only for evidence, but also for the safety of civilians and fire fighters.

The Environmental Crimes Unit is responsible for the coordination of resources on the scene of emergencies involving unregulated spills, accidental and intentional releases of discharges into the air and/or soil. Coordination, mitigation and remediation of Federal, State and Local agencies during such emergencies have also become an ECU task. This resource coordination requires careful planning and consideration especially regarding cost issues so that the City can avoid fiscal responsibility for the cost of the incident.

In 2011, ECU attended and participated in the following meeting/programs:

- Southwest Ohio Environmental Task Force
- Fire Departments Shelter-In-Place (SIP)
- Cincinnati-Monitoring and Detection Team (CMDT)
- Cognis CAP (Community Advisory Panel)
- Community Advisory Emergency Response (CAER)
- Alliance for Chemical Safety (ACS)
- Local Emergency Planning Committee (LEPC)
- The City of Cincinnati and Federal Government Partnership
- Boy Scouts of America's Challenge Camp, which is a mentoring program for inner city boys, attends a scouting program. The Cincinnati Fire Department and the Boy Scouts of America have a very strong working relationship.

- Terrorism Early Warning Group (TEWG) that works directly with the Department of Homeland Security.
- The Mill Creek Emergency Response Guide (MERG).
- Blue Mass at St. Peter and Chain Church to Honor deceased public service member
- Ohio River Co-Op (bulk hazardous material storage on the banks of the Ohio River).
- Intelligence meetings with the Columbus Fusion Center (TEWG)
- Monthly and bi-weekly local intelligence briefings

ECU has attended and/or participated in the following classes, training and drills in 2011:

- Hazwoper refresher training for hazardous materials sponsored by the Cincinnati-Monitoring and Detection Team
- Annual refresher and updating of EMS training to maintain their certifications throughout the year including CPR refresher.
- Annual refresher for Protected Critical Infrastructure Information Protection.
- Regional Crime Information Center annual examination.
- In-service training.
- Automated Critical Assets Management System (ACAMS). Used in conjunction the TEWG.
- Local Emergency Planning Committee (LEPC) table top exercise.
- Weapons of Mass Destruction (WMD) detection.
- Simi annual weapons training at the Cincinnati Police range.
- Radiation Response training.
- Orator photography and software 40 hr. training (new threat and vulnerability assessment equipment)
- Centre Learn training.

ECU members have helped the Fire Department by adjusting our work days, to help eliminate some fire company brownouts.

In 2011, the Orphan Drums Program placed 7 containers that were abandoned or openly dumped on city streets into the Orphan Drum storage area. These

containers ranged from cylinders to various sizes of containers and drums of discarded products. The Ohio EPA has worked with the Cincinnati Fire

Department for the removal and disposal of the containers/products at no costs to the City of Cincinnati.

The Environmental Crimes Unit enforces the City of Cincinnati's Right to Know (RTK) Ordinance. RTK requires businesses to report annually the chemical make-up, inherent hazards, and the amount of all hazardous materials. Administration of the RTK Program demands considerable time in reviewing submissions and

assuring compliance with ordinance requirements. In the year 2011, a total of 133 RTK submissions were reviewed, of these, 6 had to have violations corrected. Facility inspections were also conducted along with on-site consultations when necessary or as requested. Members of the unit must remain appraised of the constant changing State and Federal statutes relating to Right to Know and the environmental laws. Right to Know chemical data has been added to the CFD's S drive for all Cincinnati firefighters to access. The RTK chemical data is in process to be loaded directly into each firehouse PC to facilitate quicker data access.
ECU investigated 23 incidents from highway accidents where fuels were released on to city streets and on federal and state roads and abandoned containers on

vacant lots. Of the 46 ECU incidents 71 percent were reported by Cincinnati Fire Department District Chiefs and Company Commanders, while the remaining 29 percent were reported by outside agencies such as MSD, CPD, LEPC and NRC, service requests and anonymous calls. ECU responded to abandoned compressed cylinders, fuel tanks, drums, totes, containers and asbestos that has been discarded hazardously with no concerns for the environment or our community. Cost recovery for hazardous material releases are pursued when authorized.

ECU conducted 9 hazard analyses, doing joint consultations with the Hamilton County LEPC with facilities identified as having a high community risk if involved in fire, chemical release, natural disaster or acts of terrorism.

ECU has helped the Fire Department and the City of Cincinnati remediate the following potential hazards: 800 lbs of solid/hazardous waste, 25 lbs. of toxic waste (mercury) and 2,000 gallons of flammable/combustible liquids.

The Fire Lieutenant of ECU, is a member of the Hamilton County Homeland Security Terrorism Early Warning Group (TEWG) Fusion Center.

State and major urban area fusion centers serve as primary focal points within the state and local environment for the receipt, analysis, gathering, and sharing of threat-related information among federal, state, local, tribal, and territorial (SLTT) partners within our area of responsibility (12 surrounding counties).

Located in states and major urban areas throughout the country, fusion centers are uniquely situated to empower front-line law enforcement, public safety, fire service, emergency response, public health, and private sector security personnel to lawfully gather and share threat-related information.

Members of the TEWG conducted 23 threat and vulnerability assessments with accompanying emergency response plans for critical infrastructures and special events. ECU also provided private and public facilities training in security enhancement and suspicious activity. Additionally, suspicious activity reporting training was provided to all Cincinnati Police officers and Cincinnati Firefighters.

Homeland Security Unit

The Cincinnati Fire Department (CFD) **Homeland Security Unit** (HSU)/ **Environmental Crimes Unit** (ECU) is based at the Regional Operations Center (ROC) located at 2000 Radcliff Drive, Cincinnati, Ohio, 45204. HSU/ECU continues to perform several functions for the CFD, the City, and the region. Throughout 2011, HSU/ECU was involved in various planning, coordination, response, training, and exercise activities. Primary responsibilities for HSU/ECU are the Regional Operations Center, several CFD specialized assets, federal Homeland Security Grants, multiple local/regional/national public safety initiatives, cleanup coordination after chemical spills, enforcement of the City's Right to Know laws and representation on the Local Emergency Planning Committee (LEPC) and the Terrorism Early Warning Group (TEWG).

The Cincinnati Fire Department (CFD) Homeland Security Unit (HSU) and Environmental Crimes Unit (ECU) account for sixteen Full Time Equivalent (FTE) employees (twenty individuals). The CFD HSU/ECU core is comprised of a District Chief, a Captain, a Lieutenant and a Metropolitan Medical Response System (MMRS) civilian planner. The DC, Captain, and Lt. are fully-funded using CFD general fund dollars. The MMRS Planner is fully-funded using MMRS grant funds (CFD grant award). Nine (6 full-time and 3 part time) civilian members are co-managed with the Hamilton County Emergency Management Agency (HCEMA)

HSU FUNDING	
CFD General Fund	3 FTE's (DC, Captain, Lt.)
	1 FTE (1/3rd) -Note: 3 part time receptionists
MMRS Grant Funds	1 FTE
UASI Grant Funds	6 FTE's
	1 FTE -Note: 3 part time = 1 FTE

Director and are fully-funded using Urban Area Security Initiative (UASI) Grant

Funds.[1] The CFD HSU/ECU also cooperatively manages (with HCEMA, Cincinnati Police, Cincinnati Communications Center) three receptionists (part time) assigned to the 2000 Radcliff Drive front desk and which are (partly) paid for using CFD general fund dollars.[2]

One primary function of the CFD HSU/ECU DC is to manage the Cincinnati-Hamilton County Regional Operations Center (ROC) located at 2000 Radcliff Drive, Cincinnati, Ohio, 45204. HSU/ECU developed the current plan for staffing the ROC on an emergent and non-emergent basis. In synchronization with the City Manager's Office, HSU/ECU has taken the lead for Cincinnati in formalization of an official backup Emergency Operations Center (EOC) Memorandum of Agreement (MOA) with Anderson Township, Ohio, in the event the ROC becomes incapacitated during an all hazards or terrorism incident. Codespear (reverse 911) was used on several occasions to alert citizens of critical missing people, chemical spill notifications, and for severe weather alerts. The ROC Codespear system was expanded in 2011 to include Clermont County. CFD HSU/ECU assisted with the development of a Southwestern Ohio Southeastern Indiana Northern Kentucky (SOSINK) web site which was launched in January 2011. The web site is a repository and link to all things homeland security/SOSINK-related.

HSU/ECU ROC operations were instrumental in the management of events such as Presidential and Vice-Presidential visits and Riverfest. The ROC is consistent with a FEMA-typed 'warm' facility and ready to become fully-staffed 24/365 using call-in personnel from the CFD HSU/ECU, CFD Information Technology Unit, and the Hamilton County Emergency Management Agency.

The CFD HSU/ECU assisted with training and coordination of the Cincinnati Chemical Monitoring and Detection Team (CMDT). HSU/ECU took the lead in procurement of funding, maintenance, calibration, and retrofit of equipment assigned to the CMDT team and stored at the ROC. HSU/ECU took the lead in planning (locally) for a FEMA National Level Exercise (NLE) which took place in May 2011 named National Caduceus and called Shaken Horizons. Shaken Horizons consisted of two consecutive 24 hour and two 12 hour operational periods covering a span of four days. Finally, HSU/ECU coordinated regional training for WebEOC which has become the operations center management software for the SOSINK Region.

CFD HSU/ECU coordinates directly with the Department of Homeland Security (DHS) Science and Technology (S&T) Directorate on several projects. The S&T Resource Management System (RMS) was developed throughout 2009 and 2010 and put into service in 2010. RMS contains several hundred records and has become the primary repository for resource management information. HSU/ECU is a participant in the development of prototype firefighter location technology in development led

by DHS S&T. The x-y-z coordinates tracking system called GLANSERS will enhance firefighter safety and is the subject of national focus including subject matter experts from throughout the country including the CFD HSU/ECU.

HSU/ECU continues to work directly with the U.S. Coast Guard, the local Port Security Committee, and the CFD Grants Management Coordinator to secure funding for improved boat(s) operations equipment, fire boat engine upgrades, and a public safety dock system to be located near the public landing. HSU/ECU successfully secured funding from the Ohio Department of Homeland Security for 800 MHz radios for all Ohio-Kentucky-Indiana water assets located on the Ohio River. HSU/ECU utilizing the MMRS Planner successfully surveyed and catalogued every water response asset within the SOSINK region. As a result, for the first time in Cincinnati (region) history, all water craft in service in the Greater Cincinnati area now operate using an 800 MHz common communications system resultant from funding obtained and strategy executed via CFD HSU/ECU leadership.

HSU/ECU members coordinated training for 42 different classes throughout 2011. These classes were conducted by our training consortium partners from across the nation and reached 1197 students. There were also over 60 WEBEOC classes conducted at the ROC. These classes were attended by more than 500 individuals from within the SOSINK region. The number of training courses sponsored by the Cincinnati-Hamilton County Homeland Security Unit in 2011 increased by 48% over 2010 numbers.

As the City designee, the CFD Assistant Chief over the HSU/ECU DC co-manages/ co-signs for the Department of Homeland Security Urban Area Security Initiative (UASI) grant funds. The UASI process consists of representatives from three states and twelve counties that meet monthly to procure equipment and develop operational terrorism/all hazards strategies for the region. Disciplinary representatives form the SOSINK group and include tri state members from fire, EMS, Hazardous Materials, EOD, EMA, Public Health, Law Enforcement, Communications, Hospitals, elected officials, non profit organizations, and others. The 2011 DHS UASI grant equaled approximately $3.5 million and ongoing grants/ equipment management by CFD HSU/ECU in partnership with HCEMA totals approximately $68.5 million since 2003. CFD HSU/ECU also manages the

Metropolitan Medical Response System (MMRS) grants for the department and the region.

MMRS in partnership with the Ohio-Kentucky-Indiana (OKI) Regional Council of Governments (COG) has developed an emergency planning/response application called ROGREMS (Regional Operational GIS Emergency Map System) born of a 2008 regional windstorm incident and includes several layers of critical infrastructure, response assets, and other functionality not typically associated with traditional GIS systems. ROGREMS encompasses three states and twelve counties whereas most GIS systems stop at the traditional county borders. ROGREMS is a significant MMRS initiative which has seen many upgrades throughout 2011. To date, there are over 800 registered ROGREMS users throughout the SOSINK region. ROGREMS was utilized at several incidents in 2011 and was also used to support Ohio Task Force One during their response to Hurricane Irene in late September.

CFD HSU/ECU members represent Cincinnati on several committees including the following: the DHS-funded Interagency Board (IAB); Ohio Homeland Security Advisory Committee (HSAC); Ohio Hazardous Materials Technical Advisory Committee (TAC); Hamilton County Fire Chiefs Association (HCFC); Hamilton County Emergency Management Executive Committee (HCEMA EC); Hamilton County Local Emergency Planning Committee (LEPC); Local Port Security Committee; Alliance for Chemical Safety (ACS); SOSINK Regional Steering Committee and sub committees; the Terrorist Early Warning Group (TEWG) and Cincinnati City Council Member Cecil Thomas bi-weekly public safety 'pre-meeting' group.

Emergency Communications Center (ECC)

The City of Cincinnati Emergency Communications Center (ECC) is located in the Cincinnati/Hamilton County Regional Emergency Operation Center Building, which is located at 2000 Radcliff Drive. It is located on high ground above the City and is continuing in its tradition of keeping "watch" over the City of Cincinnati.

Mr. Joel Estes is the ECC Manager. His senior staff is comprised of two assistant managers, Mr. Joe Zenni and Mrs. Lisa Knapp. The Fire Department currently has one liaison officer assigned to the ECC, who handles day to day interactions with the ECC senior staff on issues related to emergency response dispatches, customer services, procedure directives, fire alarm/polygon configurations, PMDC network, premise history etc.

During 2011, the plan to cross train all members of the ECC to have the ability to call take, dispatch fire and police resources is still on-going. It is anticipated that the process will continue well into 2012. The second phase of the Emergency Medical Dispatch Protocol training was completed in the first quarter of 2011 and continues today.

The liaison officer is actively involved in historical CAD analysis regarding resource distribution from the twenty-six fire stations utilizing a computer software application named DECCAN®. DECCAN® is a tool that assists fire administration with tracking trends, service demands, response time, population shifts, asset deployments etc.

During 2011, the ECC processed over 73,000 Fire and EMS incidents. The liaison officer is responsible for all 812 mobile, portable and PMDC radios. The liaison officers also handles cell phone and pagers needs; processed telephone, radio and CAD records and recording requests for the entire Fire Department.

800 Radio Ehancement Project

- In 2010, ETS received grant funds for a radio repeater system which was supposed to be purchased and implemented in 2011. Unfortunately, the

repeater system testing did not perform as expected and the implementation did not move forward. Subsequently, the funds were utilized for another project in the network.

Zetron Upgrade

- In 2011 the fire station alerting system Zetron® tone and voice was upgraded to reflect the newly placed and renamed Fire and EMS units throughout the CFD.

Quality Assurance

A Quality Assurance Program was initiated in 1998 for medical calls. The Quality Assurance Supervisor reviews approximately three percent of all medical calls, which includes all cardiac arrests. Reviews are based on proper coding of the incident, call taker-processing time, and dispatch processing time, location verification, medical protocol followed, pre-arrival instructions given, and customer service.

2000 - 2011 CFD CAD Data

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
INFO/Service Calls	6,975	6,853	6,537	5,905	6,207	6,530	7,062	6,385	6,364	7,134	6,910
OTHER	2,423	2,381	2,349	2,406	2,217	2,347	2,540	2,560	2,191	2,118	2,168
FIRE	13,261	12,519	12,259	11,948	11,228	11,067	11,979	12,249	10,502	10,561	10,050
MEDICAL	48,769	50,528	50,843	51,069	51,761	52,452	52,916	54,164	53,071	53,323	54,403
DISPATCHED INCIDENTS	64,453	65,428	65,451	65,423	65,206	65,866	67,435	68,973	65,764	66,002	66,621
TOTAL ALL	71,738	72,543	72,285	71,571	71,546	72,555	74,680	75,411	72,128	73,136	73,531

CFD Dispatch Needs and Planning for 2011

I. Internal/External Fire Dispatch Needs/Enhancements

1. INTERNAL Equipment: Zetron altering system for each fire house

Comments: Technology is changing to an IP based platform; CFD currently runs their intercom through (Fiber & phone lines) cables/wires; this type of alerting system program would enhance the operations/communication to notify the house of an incident.

2. INTERNAL/REGIONAL Equipment: Build CFD radio cache

Comments: Each year, CFD takes from the small repository of radios, thus depleting the small cache kept for emergency use only. CFD would like to obtain the funding to greatly increase their cache of radios. Possible Regional collaboration project concept, as CFD would share radios as needed.

3. INTERNAL Equipment: Repeater radio system

Comments: This system will provide an alternative audio platform. Currently, all radio communication occurs on a digital platform. The repeater system will provide an analog system that may be used in different emergency environments.

4. INTERNAL Equipment: Office PC's for Liaison Officer

Comments: The current office computer for the liaison officer to the ECC is more than eight years old, with the data requirements to run various software applications that the current computer can no longer perform effectively. Secondly, there needs to be one stand alone PC to for the DECCAN® applications.

5. INTERNAL Equipment: Panasonic Tough Book CF-29 PMDC

Comments: The fire department is currently experiencing PMDC laptop failures mainly the touch screen functionality. The Fire Department in 2012 should focus on replacing one-third of the existing units.

II. Internal/External Field Communication Needs/ Enhancements

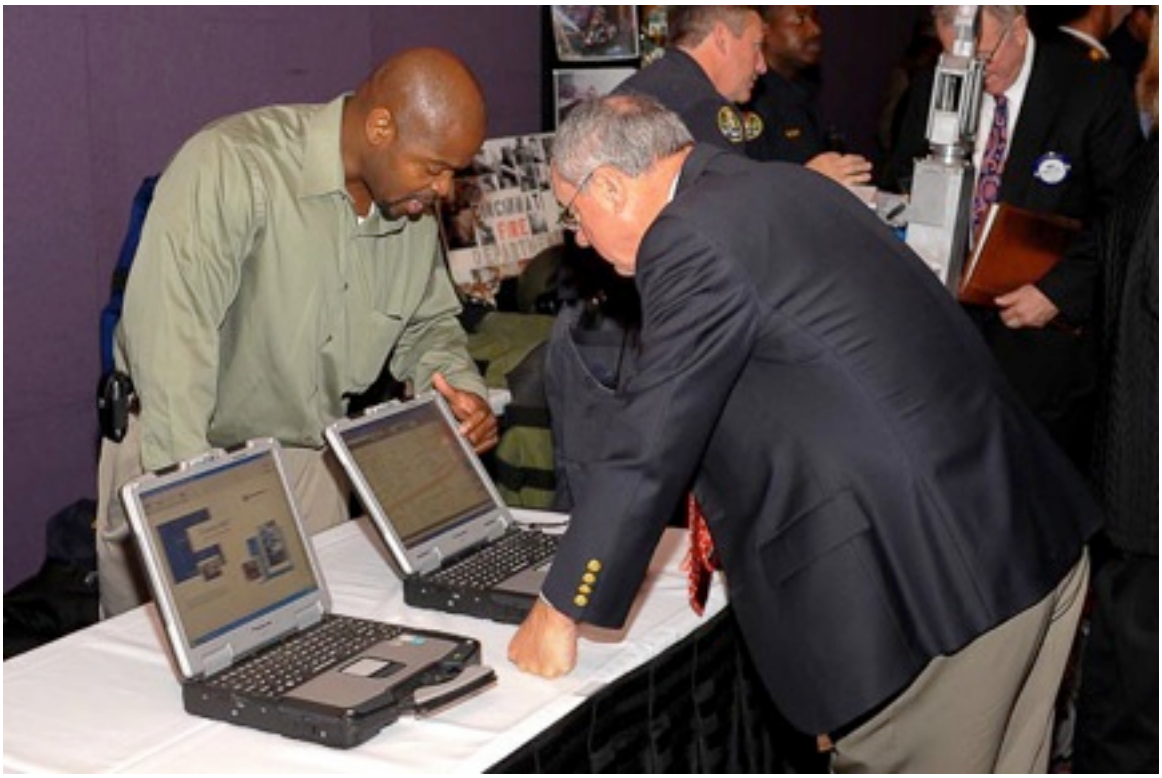
1. INTERNAL/REGIONAL Equipment: AVL System infrastructure and wireless modems

Comments: CFD would like to flip the switch on this feature that is owned/operated and maintained by several partners. The priority is for CFD to have funding for the feature and the wireless modems.

2. INTERNAL Equipment: Integrated Voice & Data System

Comments: A stand alone "data systems" tower for the CAD. The (field) laptops compete against voice traffic, etc. while receiving data. The stand alone tower would allow for a shortcut from the CAD to laptop in the field.

The Information Technology Bureau



The mission of the bureau is to provide high quality hardware and software support that will enable the Fire Department operate more efficiently and provide a high level of service to the public.

The Information Technology Bureau's primary responsibilities are the procurement, installation and maintenance of personal computer equipment, servers, computer networks, system software and applications for the Fire Department. The section also leverages emerging technologies to reduce cost and improve services to citizens and employees.

The Cincinnati Fire Department relies on the ever-changing field of Information Technology to remain up to date on the most current information available. Computer systems are an essential part of Department's communications, within the Department, the City as well as other sources of information available on a National level.

The group consists of one Information Technology Assistant Manager, two Computer Systems Analysts and two Senior Computer Programmer Analysts.

The bureau is responsible for the set up and maintenance of all Fire Department computer hardware, software applications and researching and recommending upgrades and changes to the current system. It provides support for 808 users that are located at 29 facilities throughout the Fire Department. It continues to serve as the Main support tool for the EOC located at our Radcliff facility and acts as the Department's liaison to the City's Computer Services Department and maintains the network connections to the City resources.

Some of the bureaus 2011 Accomplishments are as follows:

- EMS NOTEBOOK PROJECT – Billing, CQI and State reporting
  - Continual Maintenance of hardware
  - Electronic billing upload for over 43,000 records
  - Move to new hardware and software system
- Installation of Centrelearn video training computers in every firehouse
- Performed UARB site surveys for DVR in firehouse training system
- Development and deployment of upgrades for Accident and Injury system
- Development and deployment of upgrades for Drug Inventory system
- Development and deployment of upgrades for NFIRS system

- Development and deployment of Structure Fire Individual Summary system
- Development of Employee Transfer system
- Development and deployment of upgrades scheduling system
- Enhanced brownout tracking system
- Installation of Mapping

software and GPS devices to all emergency apparatus

- Move of department email accounts from City domain to Fire domain (in progress)
- Enhancement of CFD internet home page http://www.cincinnati-oh.gov/fire/
- State reporting of NFIRS and OEMS data

- Technological Support for ROC (Regional Operations Center)
  - Primary support of servers, laptops and printers
  - Codespear and RMT
  - Support of the 2011 Earthquake drill
  - 7x24x365 on call support for activation of center
- Support Physical Building Security System for Radcliff, HQ, Longworth Hall and Stores
- Continual support of all existing CFD applications
- Development and Maintenance of departmental internet and intranet sites
- Handled over 2,000 helpdesk calls

The equipment that the bureau maintains is as follows:

- 190 desktop or laptops – Windows XP
- 95 mobile rugged notebooks – Windows XP Tablet
- 91 PMDC rugged laptop in all Fire Apparatus – Windows XP
- 2 3TB SAN systems
- 23 Server System (Windows), including:
  - 1 Active Directory Domain Controller – Windows 2003
  - 2 Backup Domain Controllers
  - 2 Application Servers – Windows 2003
  - 2 Database Servers - Windows 2003
  - 3 File Servers – Windows 2003
  - 1 Windows SMS Server
  - 1 Altiris Server
  - 2 Application Test Servers
- 31 TTY Dispatch printers
- 100+ Laser printer

Internal Investigation Section

Staffing—One District Chief, One Captain, One Lieutenant and One Clerk Typist 3

Since 1989, the Internal Investigation Section has been in existence for the specific purposes of handling complaints relative to employee conduct and performance and providing an effective way of dealing with citizen's complaints. Complaints can originate either from within the Department or from the community at large. The section will operate on any complaint that is relevant to its mission regardless of form or source.

Internal Investigations Section	
Investigations	
-New	21
-Closures (New)	11
-Closures (Previous)	4
-Interviews	18
Hearings Departmental	6
Drug Tests (Follow-up)	13
Referrals (P.E.A.P.)	5

The section has given the Department the ability to review, in an unbiased way, all complaints that are received. The section is also available to investigate situations and performance problem areas within the Department and therefore provide the Staff with assistance in solving problems efficiently and effectively.

The section files all corrective action generated at the Company level. The section also prepares for, and conducts, all hearings for disciplinary actions. They process all paper work relevant to these activities as well. This allows the Department to maintain a consistent and controlled operation, which ultimately is perceived by our employees as being fair and unbiased.

The section also monitors court cases in regards to the off-duty conduct of Department members, as well as monitoring the drug and alcohol screenings, in relationship to substance abuse, conducted by the Fire Department.

Throughout the year, the Internal Investigation Section and the Fire Investigation Unit shared the usage of its conference and interview rooms for conducting hearings, and for interviewing witnesses.

Fire Investigation Unit 2011

One Captain, one Lieutenant and six Fire Specialists staff the Fire Investigation Unit. The unit is a highly trained, very effective group of investigators who concentrate their activities upon determination of fire cause and origin. They also aggressively investigate all suspicious fires and prosecute those who are determined to be criminally responsible; the unit has a very high success rate

The Fire Investigative Unit is committed to continue its effort to stop all acts of arson and its related crimes. To reach that goal, the unit continues to seek all available knowledge and assistance.

Fire cause determination plays a major role in developing a workable Fire Prevention Program. Only through the knowledge of how, why, and where a fire starts can legislation or other effective intervention strategies be developed that will positively impact the fire problems that exist within our community. The unit also diligently and relentlessly applies all our resources to protect the citizens of the City and its visitors.

Members of the Fire Investigation Unit are involved in numerous professional, civil and volunteer organizations:

- ***The Hamilton County Juvenile Judges Advisory Council***
- ***Crime Stoppers***
- ***The Juvenile Firesetter Advisory Council***
- ***Greater Cincinnati Arson Seminar Committee***

During 2011, several members of the Fire Investigation Unit attended the National Fire Academy to further their knowledge in the field of Fire Investigation, which included Fire / Arson Investigation, Fire Modeling, Forensic Investigation, Principles of Fire Protection and Advanced Courtroom Testimony.

Members of the Fire Investigation Unit also attended the annual Greater Cincinnati Arson Seminar, which covered a variety of fire investigation topics.
In 2011, the Fire Investigation Unit referred 37-juveniles to the Juvenile Firesetter Program.

2011 Fire Investigation Unit Statistics

Property Classification	Offenses R = Reported U = Unreported A = Actual			Estimated Property Damage
Structures	***R***	***U***	***A***	
A. Single Occupancy Residential: Houses, Townhouses, Duplexes, etc.	42	19	23	$266,520
B. Other Resisdential: Apartments Tenements, Flats, Hotles, Inns, Dormitories, etc.	104	48	56	$597,514
C. Storage: Barns, Garages, Warehouses, etc.	11	3	8	$25,750
D. Industrial / Manufacturing	6	5	1	$100
E. Other Commercial: Store, restaurants, Offices, etc	9	4	5	$63,000
F. Community / Public: Churches, Jails, Schools, Colleges, Hospitals, etc.	13	2	11	$175,341
G. All Other Structures: Out Buildings, Monuments, Buildings Under Construction, etc.	0	0	0	$0
Total Structures	**185**	**81**	**104**	**$1,128,225**
Mobile				
H. Motor Vehicles: Automobiles, Trucks, Buses, Motorcycles, etc.	49	17	32	$110,551
I. Other Mobile Property: Trailers, Recreational Vehicles, Airplanes, Boats etc.	9	5	4	$1,850
Total Mobile	**58**	**22**	**36**	**$112,401**
J. Total Other: Crops, Timber, Fences, Signs, Outdoor, etc.	244	54	190	$8,950
Grand Total	**487**	**157**	**330**	**$1,249,576**

Cincinnati Firefighter's Union (Local 48)

The Cincinnati Fire Department and Local 48 saw significant changes to our structure and operations in 2011. In a year of trying economic and political times, the members of Local 48 continued to provide the best service possible to the citizens and visitors of the City of Cincinnati.

There were major personnel changes within the CFD. 2011 saw the highest number of retirements in 12 years. Staffing levels dropped from 817 to 779. This staffing level is well below the authorized level of 841; a level that does not include the personnel needed to staff the 2 new Medic Units added in 2009. While we haven't seen staffing levels this low since 1997, the men and women of Local 48 have continued to do an excellent job as they work with less support staff and fewer fire fighters on the street.

The retirements disproportionally affected the command staff level. Chief Wright, Assistant Chief Corbett, Assistant Chief Kroeger and 7 District Chiefs retired in 2011. While these retirements caused a loss of hundreds of years of institutional knowledge and experience; they also opened up promotions for many highly motivated fire officers.

With the retirement of Chief Wright in January, Chief Richard Braun took the helm of the CFD. Chief Braun hit the ground running and immediately gained the trust and respect of the rank and file members of the CFD. He brought with him many ideas that have helped transform the CFD, but he also took the time to listen to the concerns of all and formulated his plans accordingly.

The men and women of Local 48 welcomed Chief Braun and have worked with him as he revamped the way that EMS and training are delivered in the City of Cincinnati. The members of Local 48 approved a Memorandum of Understanding so that the CFD in-house paramedic program could continue to be a major success. They also approved a 2 and a half year contract extension which assisted the City as it deals with the current economic crisis. The extension also adjusted the transfer language so that it was in line with the newly revamped EMS operations.

The members of Local 48 have worked with the City and the Fire Department throughout 2011, just as they have for the last 92 years. They have gone above and beyond and as their resources shrank and they continue to provide the best service in the safest manner possible

Resource Management Unit

One of the new tandem axle aerial trucks

RMU Summary

The mission of the Resource Management Unit (RMU) is to provide the materials, equipment and facilities that our members need to perform their duties, both emergency and non-emergency. The RMU is sub-divided into five major functional areas of responsibility. These include: Supply and Maintenance, Mask Services Unit, Motorized Equipment and Fire Apparatus, Water Supply and Hydrant Maintenance and Facilities Management.

Despite the fiscal challenges presented by the current economy, the members of the RMU have used the funds made available to them to achieve numerous accomplishments. These members continue to maintain a high standard of service and dedication to the citizens of the City of Cincinnati.

Supply and Maintenance

While the Central Stores warehouse is the most visible function of supply and maintenance, it is far from all that we do. Negotiating contracts, developing specifications, procuring supplies, assisting with budgeting and repair of firefighting equipment are just a few of the varied responsibilities of the section. If it is worn or used by a firefighter, it is bought, received, issued and repaired or replaced by Supply and Maintenance.

2011 was an exciting year for the employees of Supply and Maintenance who played an integral role in the implementation of several large department-wide

initiatives. The dedication and hard work of our people was a key element to the success of each project.

Major accomplishments of 2011:

- Assisted in the change to an all Advanced Life Support EMS platform. Supply and Maintenance assisted in the selection of new products, wrote specifications and conducted three separate bid processes for new equipment.
- Completed the purchase of Self Contained Breathing Apparatus (SCBA). This included conducting two separate purchasing processes, writing contracts and coordinating delivery
- Coordinated the purchase and delivery of Centrelearn fire and EMS training program along with computers and furniture to all fire companies
- Purchased all new Thermal Imaging Cameras for the department. This included conducting a specification and bid process along with a physical evaluation
- Continued to update the department's Personal Protective Equipment (PPE) inventory, making a significant purchase of equipment items and updating our specification for PPE to ensure continued firefighter safety.
- Purchased and issued new helmets and eye protection, making improvements to firefighter accountability/identification as identified in the 2003 LODD report
- Continued to update the camera equipment used by FIU investigators to document incident scenes and conduct investigations.

2011 By the numbers:

- 1,706 deliveries by truck driver
- 16,400 miles driven by truck driver
- Procurement and delivery of over $5.8 million in stock and non-inventory items

- Maintained an inventory of over $350,000
- 416 Turnout Gear sets cleaned and repaired
- 102 Turnout Gear sets older than seven years old, retired to RAT gear
- 181 Turnout Gear sets issued new
- 17 Turnout gear sets returned to service from individuals separated

Goals for 2012:

- Work to enhance the inventory and maintenance program for all firefighting PPE
- Continue to assist in the implementation of new SCBA
- Continue to make improvements to the Quartermaster uniform process
- Continue to improve our Small Business Enterprise (SBE) system participation.

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equipment. We purchased, received, and shipped over 3,000 individual items to newly formed Paramedic companies and transport units.

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Mask Services Unit

October 10th, 2011 the Cincinnati Fire Department instituted a Mask (SCBA) and Meter Technician position. The primary function is to maintain and track each unit compiling a history of services performed and repairs made.

As the process began, the need for a vehicle was paramount and the decision was made to utilize a small mobile command apparatus. The vehicle has adequate space for light SCBA maintenance as well as extensive meter calibration and repair. The MSU vehicle carries a wide variety of Air Monitoring equipment as well as diagnostic equipment for identifying and/or quantifying unknown or known chemicals, additionally it also carries CBRNE equipment for WMD events and evidence/sample collection.

Along with SCBA and Meter service, the MSU also responds to Hazardous Materials and/or CBRNE Incidents for technical support, research and information gathering. Inclusive to those responsibilities is the maintaining and updating of electronic software such as the Cameo Suite, Wiser and several other programs for Hazardous Material response incident management. As a component of HazMat, MSU will also shoulder the responsibility of maintaining air monitoring

instruments for the fire department and the Cincinnati Air Monitoring (CAM) Team, these primarily consist of Rae System meters with an augment of other specialized CBRNE/WMD monitors.

The first major project given to the MSU was the roll out of the new MSA Fire Hawk M7 SCBA. The project began with documenting, identifying, programming as well as sizing of the face pieces. The project, while vast in its entirety, was successfully managed with the assistance of Heavy Rescue's 14 and 9, CFD Training Staff and the Administrative Bureau each of which played a significant role in seeing the project through to a completion. With a total of 325 SCBA's and 800 face pieces and a projected completion date ninety to 120 days it was an intense but manageable assignment.

Within the scope of maintaining and tracking SCBA's there also is a need to track the hydrostatic testing and life cycle of all air cylinders for the CFD. Inclusive with the M7 SCBA, the Fire Department also purchased the SCBA telemetry management software/system. The telemetry system allows the incident commander to track the firefighter's air consumption and various other statistics in addition to initiating an evacuation of on scene personnel. With the issuance of the new SCBA there is also a need to perform the annual fit test, per the NFPA/ OSHA standard; this process will involve testing each member with the appropriate face piece to assure proper sizing and fit factor.

In conjunction to maintaining equipment, the MSU also organizes and or conducts specialized training classes on various types of equipment. In December of 2011, in partnership with Mine Safety Appliances (MSA), we conducted a Mask Technician class which certified thirty-three members of the CFD (HR's 14 and 9). The certified Mask Tech specializes in SCBA repair, maintenance and testing. There is also company level training that takes place during in-house calibration of Air Monitoring Instruments (AMI) where proper monitoring techniques and an explanation of how to interpret meter readings are covered.

During the brief existence of the Mask Services Unit in 2011, there has been undeniable proof that it will be a valuable asset to the CFD. Progressive thinking has gained prominence in the advancement of the fire service in the greater Cincinnati area, the Fire Department is determined to progress and improve not just for its members but for all; to whom they are dedicated to protect life and property.

Motorized Equipment & Fire Apparatus

In 2011, the Resource Management Unit (RMU) maintained the Fire Department's Motorized Fleet in a high state of readiness by insuring that preventative maintenance programs were followed. The RMU works closely with Fleet Services to assure an adequate number of reserve apparatus are available, and insures repairs and service are completed in a timely and professional manner. The total motorized fleet consists of approximately 356 varying pieces of equipment valued at over 30 million dollars.

Emergency Response Vehicle mileage was increased by two factors: (1) expanded response areas due to company brownouts and, (2) augmented response levels. Despite this, scheduled maintenance procedures have kept the fleet in a good repair.

The Fleet Services Division brought a new web based software system online. *Fleet Anywhere* is designed to streamline the repair process.

During 2011, three additional pre-piped, tandem axle, aerial trucks were placed into service, bringing the total to six. Four new foam pumpers were added to the fleet, replacing four non-foam pumpers. In addition, eight existing pumpers are having foam systems added. Once completed twenty-four of the twenty-six frontline pumpers will be equipped with foam systems.

The ambulance remount program continues to curtail replacement cost. In 2011 Four Braun ambulances were refurbished and remounted on new Ford E450 chassis.

The accumulated mileage of the department's fleet of 18 medic vehicles decreased slightly as a result of the single tear medical response system. No additional medic vehicles were added to the fleet and no new medic vehicles were purchased.

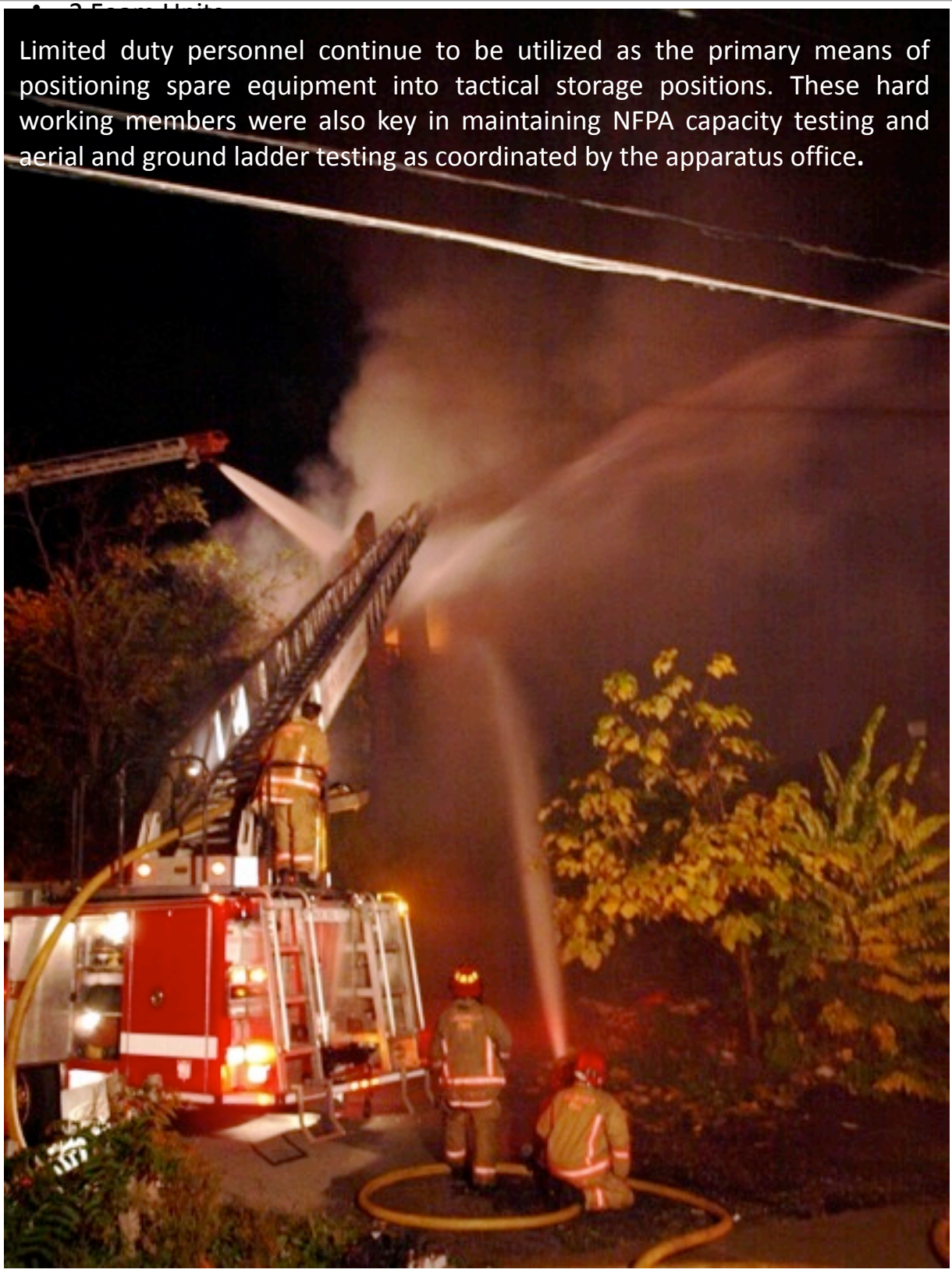
In 2011 the **Fire Fleet** consists of

- 32 Custom Fire pumpers
- 18 Aerial trucks
- 3 Heavy Rescue vehicles
- 18 Braun E450 Ambulance vehicles

Special Units support the basic mission of the fire department and its ability to respond to larger scale or unusual emergencies. Included are:

- 1 Aircraft Rescue and Firefighting (ARFF) Unit
- 1 Water Tanker
- 1 Fire Boat W/ 500 GPM Pump
- 3 Zodiac, Inflatable quick rescue boats
- 2 Mass Casualty Truck and Trailer
- 1 Mass Casualty Transport Trailer with 3 UTV's and trailers
- 3 Civilian Mass Decon Truck and Trailer
- 1 EOD response Vehicle
- 1 Hazardous device Transport Vehicle
- 1 Hazardous Material Truck and Trailer

- 3 Foam Units



Limited duty personnel continue to be utilized as the primary means of positioning spare equipment into tactical storage positions. These hard working members were also key in maintaining NFPA capacity testing and aerial and ground ladder testing as coordinated by the apparatus office.

Water supply and hydrant maintenance remains a top priority for this Resource Management Unit. The number of public hydrants out of service at any time averages less than 1%. Currently 110 hydrants remain out of service.

During the calendar year, the RMU received approximately 562 requests with 575 hydrants repaired. In addition, the office insured that fire companies maintained approximately 12,000 hydrants. Fire hydrant inspection and servicing remain the responsibility of the local fire company. This office received approximately 1000 request for temporary hydrant use permits. This was a result of streamlining the permitting process.

The water management office coordinates the reporting of service requirements and repair of all hydrants within the city limits.

This office works closely with CWW to make certain the location of new fire hydrants meet CFPC code requirements. The department reviewed and approved 96 hydrant location plans. In addition, this unit certifies all permit specifications are adhered to.

Artist rendering of new Harrison Avenue Firehouse

Facilities

The Fire Department currently occupies thirty-two locations. These include twenty-six firehouses, four training sites, a shared space storage facility and a centrally located Fire Prevention Bureau. Coordinating repairs to existing facilities, undertaking improvement projects and planning future projects are some of the functions provided by the facilities liaison.

2011 noteworthy projects:

- Engine 24 which has served the citizens of Price Hill from its current location on Glenway Ave. During 2011, an addition doubling the living space was completed. The addition includes a significant kitchen expansion. A new Day room, gear room and physical fitness area were also added. The project cost approximately 1.8 million dollars.

- Plans for the construction of a new firehouse on Harrison Ave were also a large part of the facilities liaison's agenda. During 2011, the 90% construction documents benchmark was reached. Groundbreaking should

take place early spring 2012. This project will cost nearly 5 million dollars.

The new ARFF Unit RMU will acquire in 2012. Notice the portrait of Optimus Prime on the passenger door.

- 2011 was also a year to go green. Plans are under way to install Solar panels on E12 and E18. Any excess electrical energy that is generated will be sold back to the utility company.
- The Oakley Firehouse had to have extensive work done to reinforce the apparatus floor. Years of water leaking through the porous concrete has rusted the rebar. Steel framing was installed in the basement to support the floor and a waterproof membrane was installed on the floor's surface. This was a $100,000.00 project.

Plans for 2012

- Continuing to update Firehouses which do not have female facilities.
- Beginning construction on Harrison Ave Firehouse.
- Improving preventative maintenance on existing Stations.

Conclusion The RMU continues to be a vital part of the Cincinnati Fire Department. Our mission is to insure that our dedicated hard working firefighters have everything they need to do their job. Throughout the coming years the RMU will continue to supply the equipment that firefighters use to keep the citizens of Cincinnati safe.

Birdseye view of Metz Aerial Platform destined for CFD fleet

Safety/Risk Management Officer

The Safety/Risk Management Officer operates in support of safety concerns for the Cincinnati Fire Department in areas related to personnel and emergency operations. Additional responsibilities include providing assistance to the Human Resource Assistant Chief in his investigations, discipline, personnel matters, policies, procedures, and research.

Annually, the Safety Officer responds to numerous incidents during and after normal business hours, acting as the Department's Incident Safety Officer.

Citizens and visitors to the City of Cincinnati have an inherent expectation that Cincinnati Fire Fighters can perform their numerous job functions in a timely and safe manner. Providing for the safety of Cincinnati Fire Department personnel is the paramount responsibility of the Safety Officer.

Additionally, the Safety Officer manages the transfer process, injury with pay/ workers compensation program, FMLA, annual TB/Flu shots, death benefit requests for fire department members and retirees, accident investigation reporting procedure and retirement processing.

Injuries:

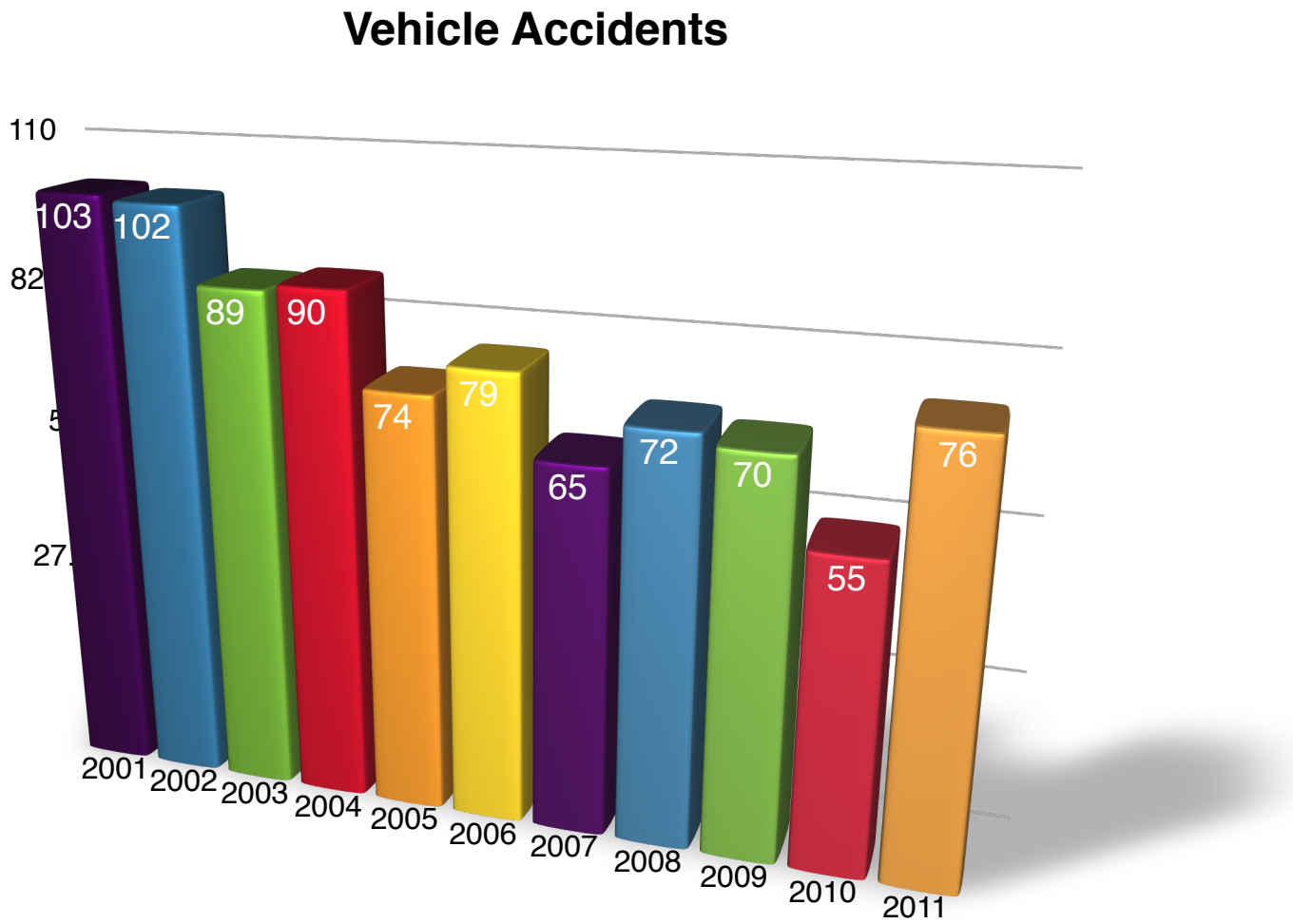
During 2011, there were 65 reported injuries accounting for a slight decrease from 2010 injuries. With the numerous brownouts of fire companies, the responses per member increased substantially. Even with the increase in responses and the increase of physically demanding training, the numbers continue to show a downward trend in work-related injuries. Empirical medical evidence confirms that a comprehensive fitness

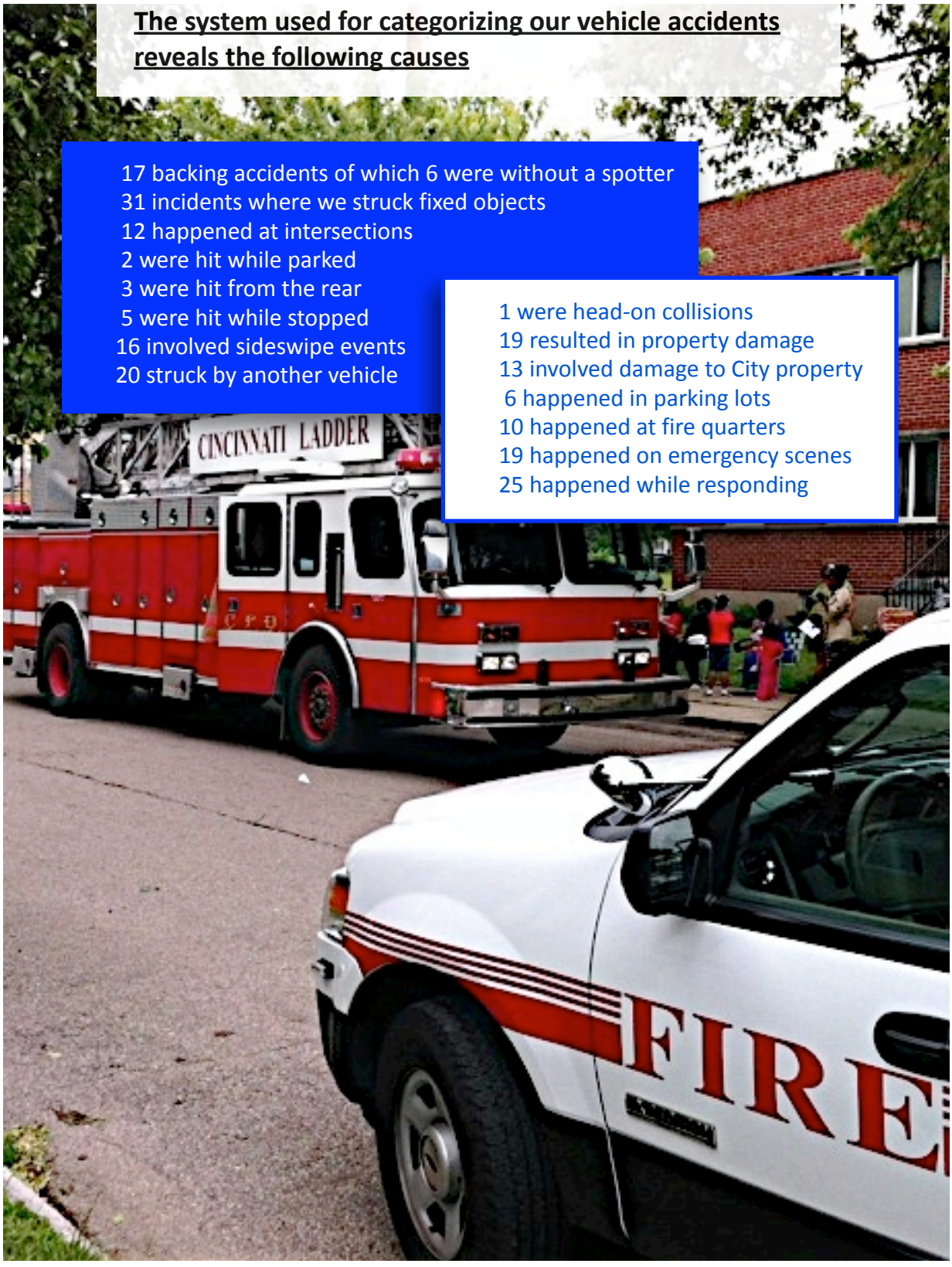
Injury Locations	Injury Types
10 Fireground	0 Burns
33 EMS	1 Fractures
11 Fire Station	11 Wounds
11 Other Locations	29 Sprains or Strains
	21 EMS / 3 Misc.

program can and will reduce many physical injuries and increase productivity.

Vehicle Accidents:

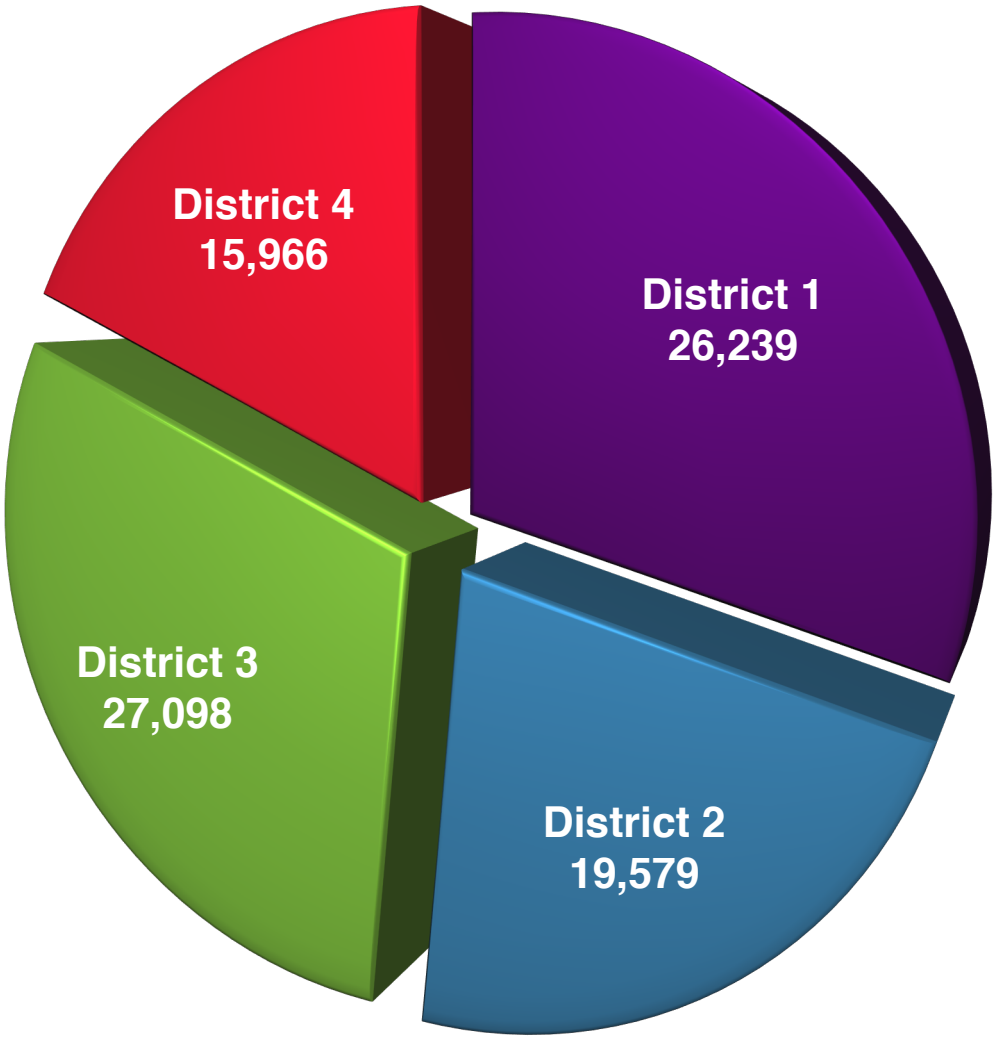
There were 76 recorded vehicle accidents in 2011; a 27% increase from 2010 recorded vehicle accidents. In regards to the 2011 recorded vehicle accidents,23 were not preventable as they were the fault of other drivers and there were 53 accidents that were associated with the actions of fire department personnel, 36 of which resulted in discipline. Our increased awareness and enforcement of reporting procedures has resulted in an increase of the number of incidents reported as accidents.



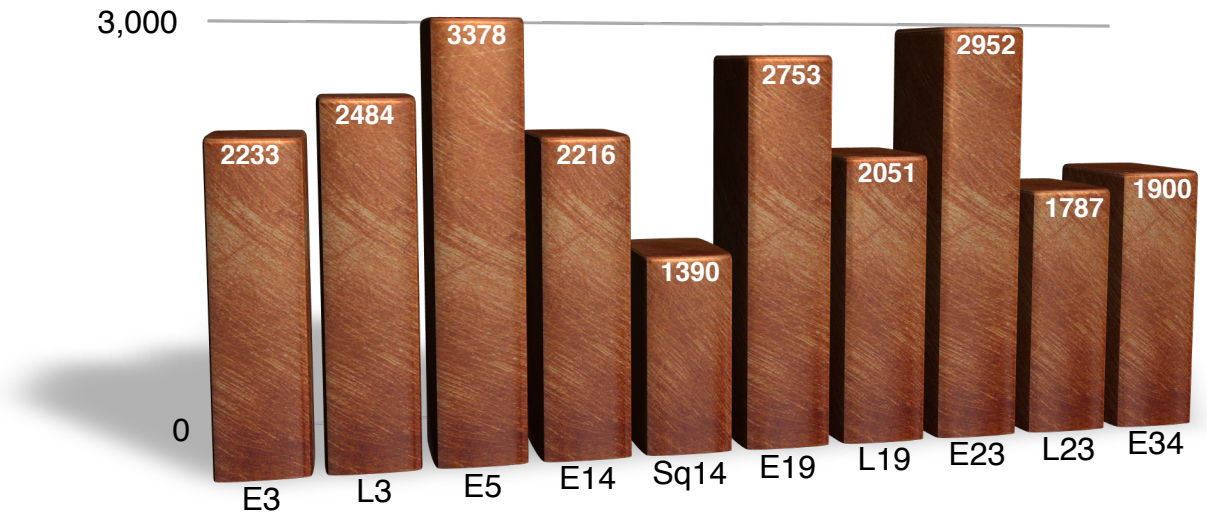

The system used for categorizing our vehicle accidents reveals the following causes
17 backing accidents of which 6 were without a spotter
31 incidents where we struck fixed objects
12 happened at intersections
2 were hit while parked
3 were hit from the rear
5 were hit while stopped
16 involved sideswipe events
20 struck by another vehicle
1 were head-on collisions
19 resulted in property damage
13 involved damage to City property
6 happened in parking lots
10 happened at fire quarters
19 happened on emergency scenes
25 happened while responding
CINCINNATI LADDER
FIRE

CFD Total Runs

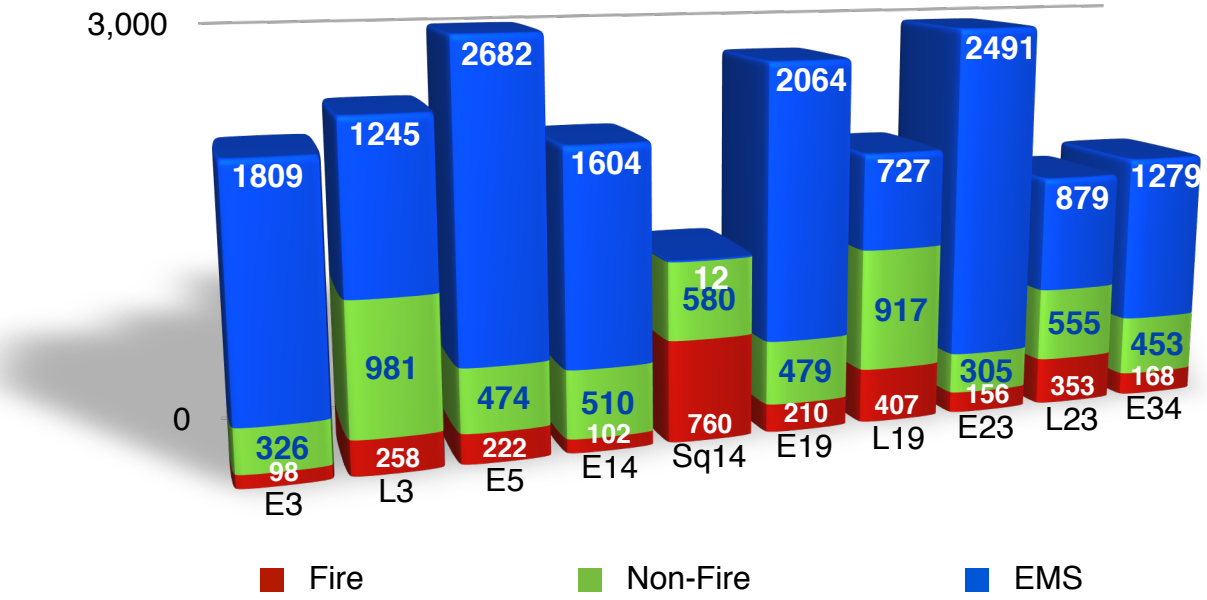
88,882



Total Runs by Fire Company
District 1

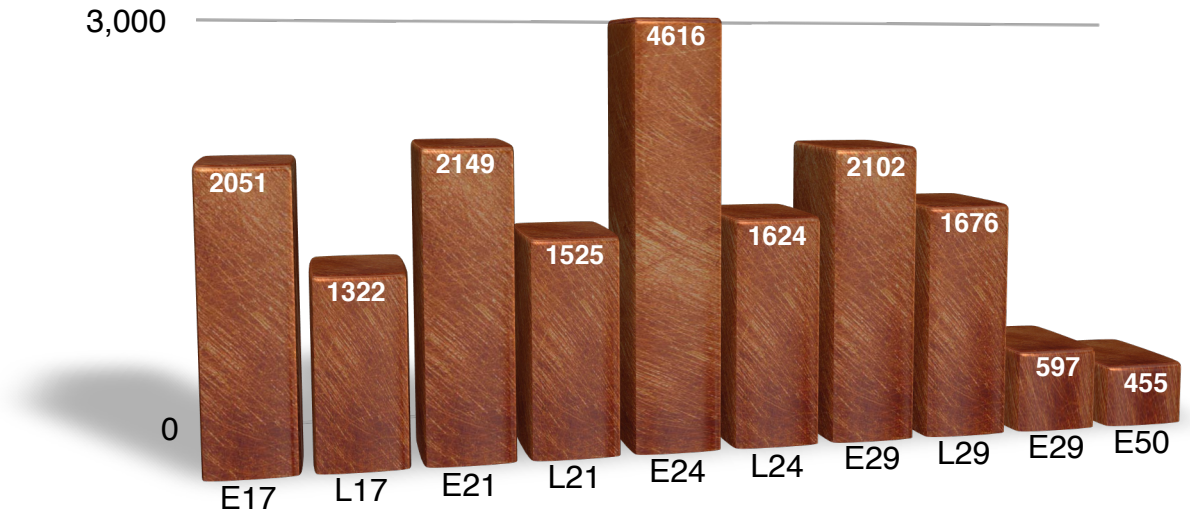


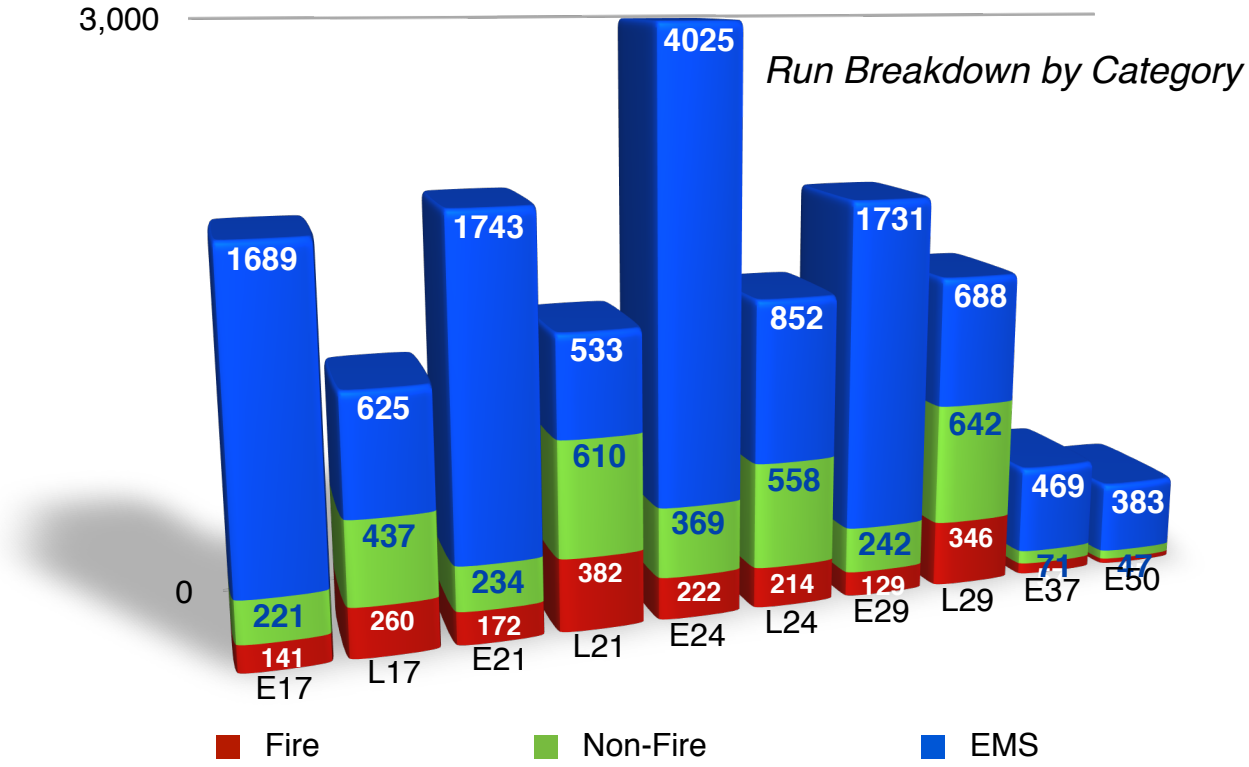
Run Breakdown by Category



Total Runs by Fire Company

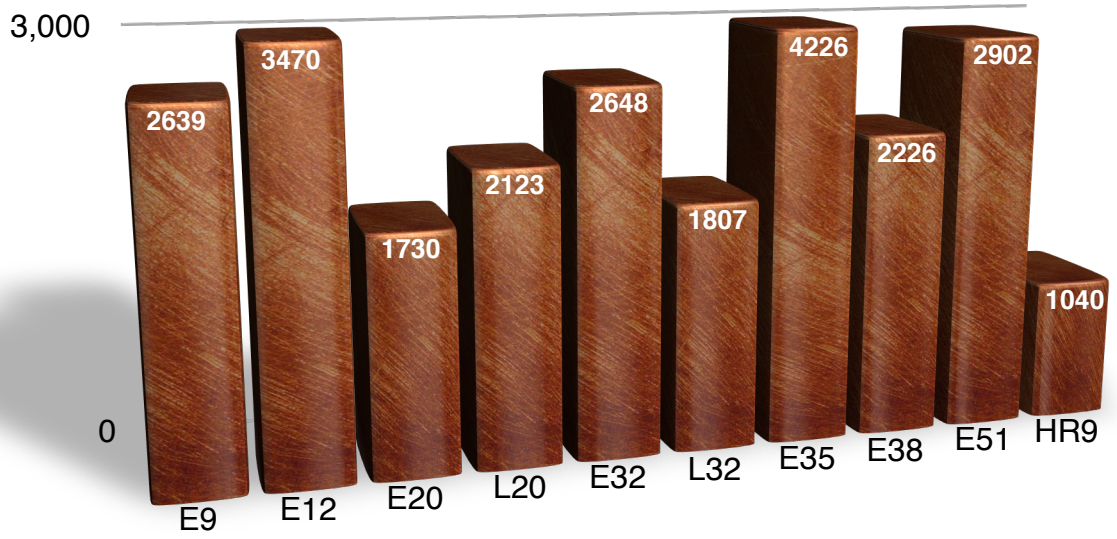
District 2



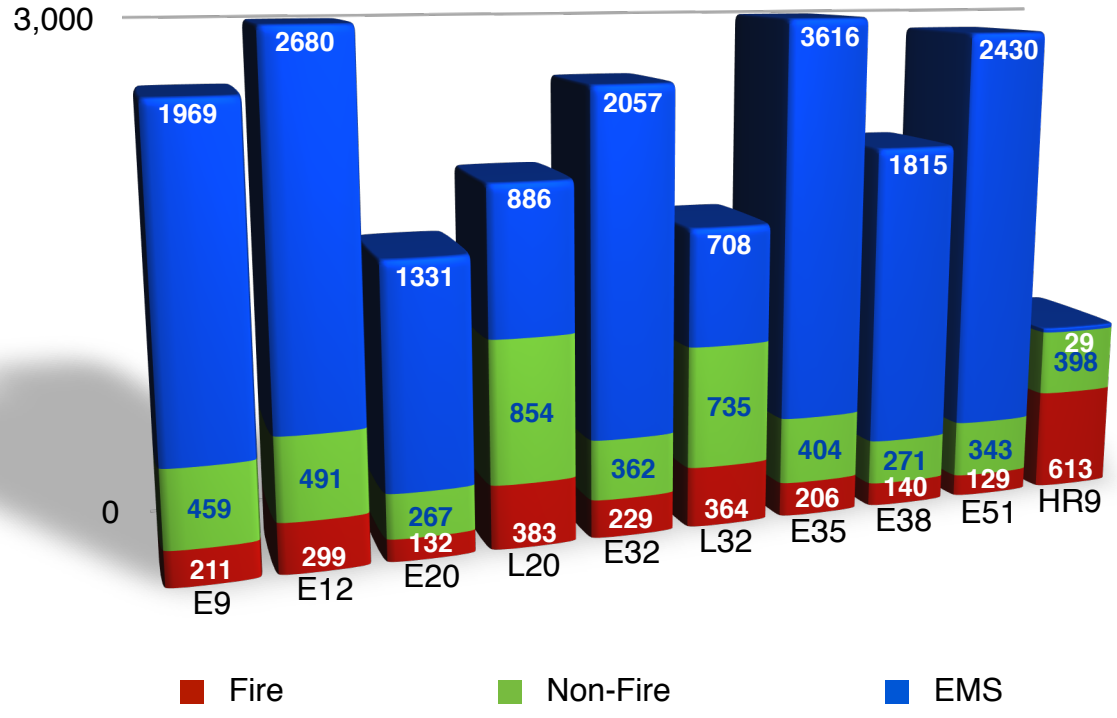


Total Runs by Fire Company

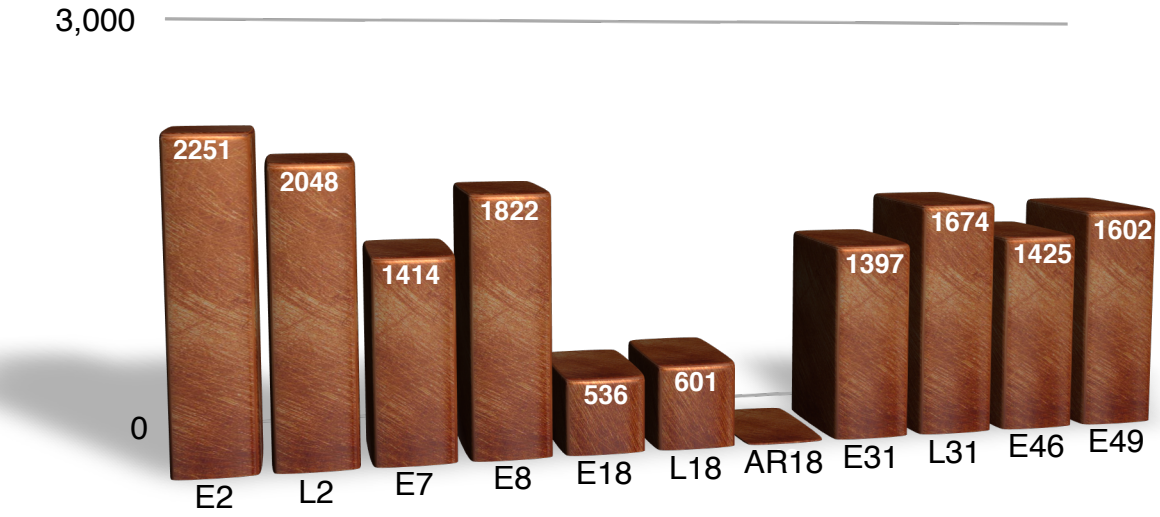
District 3

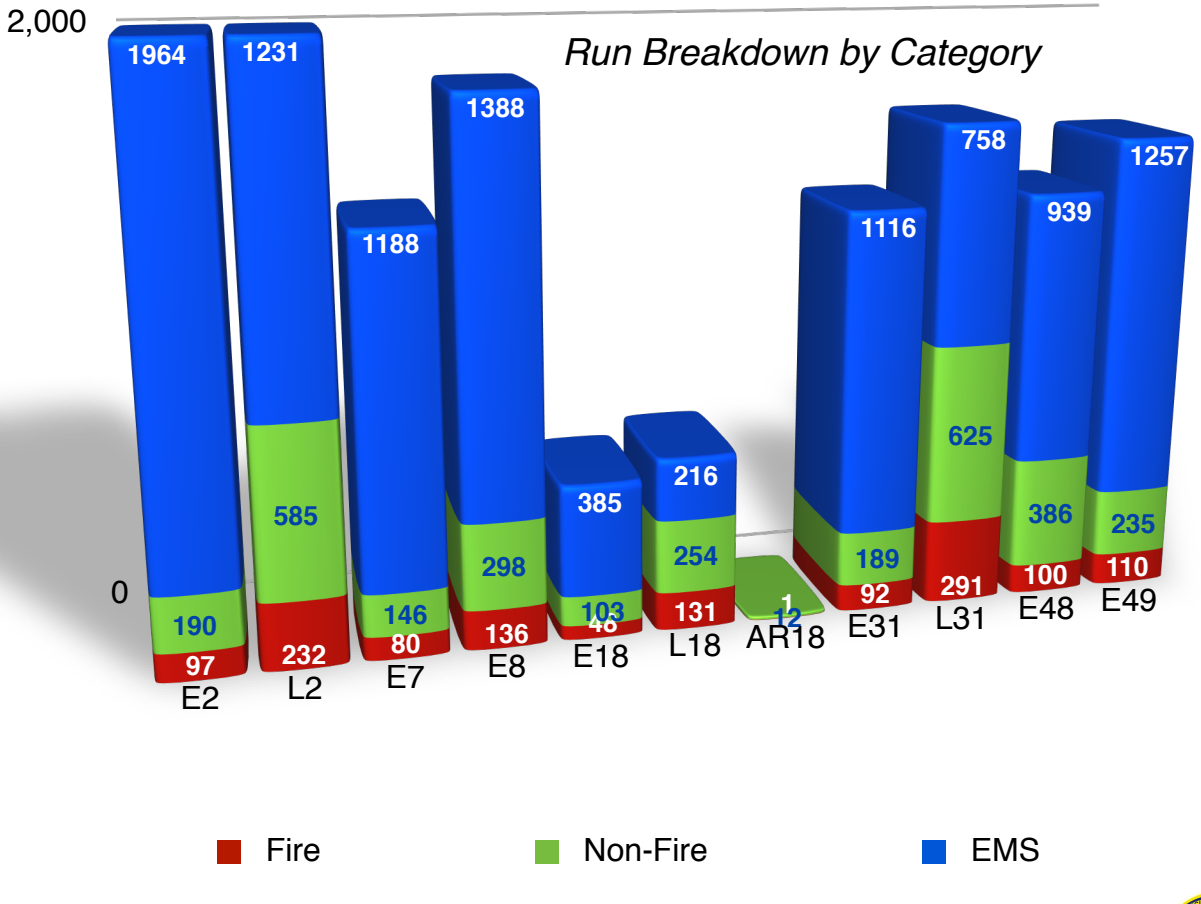


Run Breakdown by Category

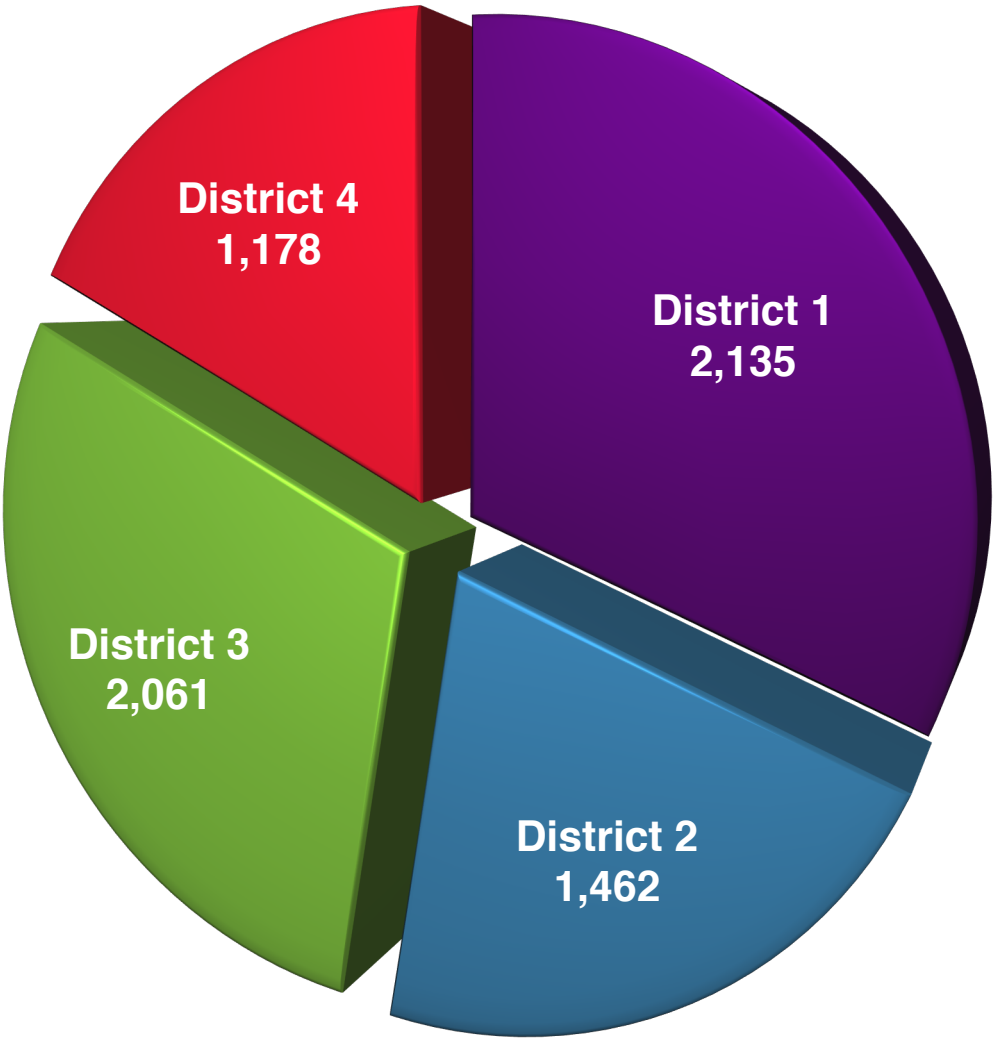


Total Runs by Fire Company
District 4

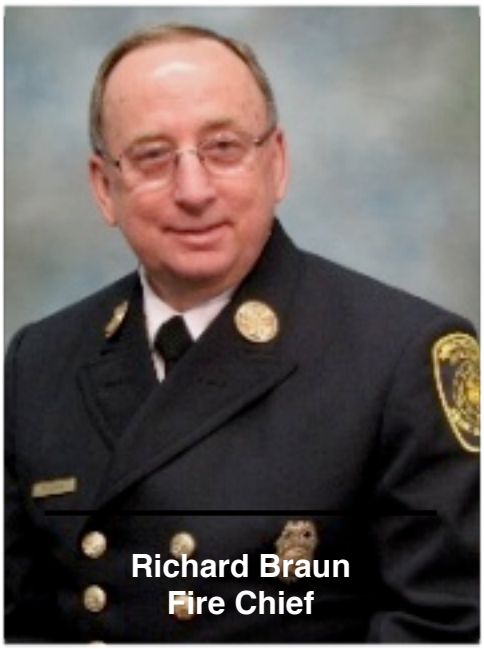




District Chief Runs

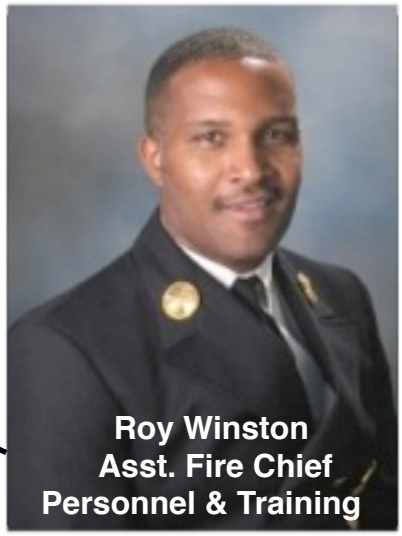


CFD COMMAND STAFF

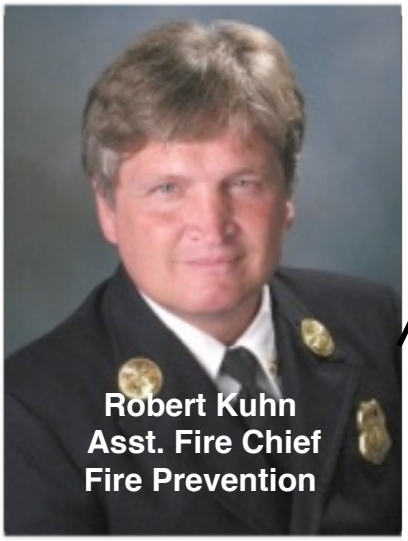


Richard Braun
Fire Chief

Ed Dadosky
Asst. Fire Chief
Administrative Services



Roy Winston
Asst. Fire Chief
Personnel & Training



Robert Kuhn
Asst. Fire Chief
Fire Prevention

Mose Demasi
Asst. Fire Chief
Operations