



City of Davis
FIRE DEPARTMENT
Annual Report
2013-14

MESSAGE FROM THE CHIEF

January 1, 2014 the City of Davis and University of California – Davis entered into a Shared Fire Management Agreement. This agreement recognized potential efficiencies, integration of operations, and cost savings that could be generated by combining the leadership of the two agencies into one.

As this report is released we are now eight months into the shared agreement, which is being viewed as a shared services success in the community and is accomplishing many of the goals and objectives that were identified for achievement.

Much work has been done to increase the public’s awareness of the work of the fire department. This has been accomplished through monthly reports, social media, and by working with traditional and non-traditional media outlets.

In the coming months watch for our new Community Office Hours program, phase one of our new injury and illness prevention program, the start of a new standard of cover document and strategic plan, and many more great initiatives that we are developing to make your fire department well prepared to meet the risks and needs of our changing community.

The Shared Fire Management Team hopes you find this report valuable and on behalf of the outstanding men and women of DFD, we thank you for the opportunity to serve.



Nathan J. Trauernicht, Fire Chief

OUR MISSION AND VALUES

Our Mission

The mission of the City of Davis Fire Department is to protect the life, property and the environment in our service area. We will deliver these services to the community through an efficient and effective use of our resources, while always providing the highest quality of customer service.

Our Values

The members of the Davis Fire Department are guided by the following principles:

All employees are valued.

Employees are encouraged to express opinions and offer suggestions and ideas.

Responsible behavior and accountability from employees is expected.

All employees will provide the highest quality of customer service.



THE DEPARTMENT

In March 1917 the City of Davis was incorporated and the City's Fire Department was established. The Department is now comprised of three stations in West, Central and South Davis. In 2013-14 the Department had a staff of 45, including 37 firefighters and captains. The Department provides emergency response and fire prevention services to the community of Davis, UC Davis, and aid to three fire protection districts (East Davis County District, Springlake and No Man's Land).

We have gone through many changes over the last four years. Following the retirement of the Fire Chief of 15 years, the department was administered successively by three interim chiefs.

During these four years the department entered into an agreement with the West Valley Regional Fire Training Consortium to share training services and management with the other fire agencies in Yolo county; the city signed an agreement with the City of Woodland to share the services of Davis' fire marshal; and to improve service delivery the city council approved a boundary drop between the city and the University. In January 2014 the City of Davis signed a shared management agreement with the University. The two departments now share a fire chief, two deputy chiefs and three division chiefs.

Department staff has risen to many challenges during this transitional period, but throughout have remained committed to our community and providing quality service to its citizens.



Whether at an emergency, or educating and interacting with our community, DFD is proud to serve the citizens of Davis.



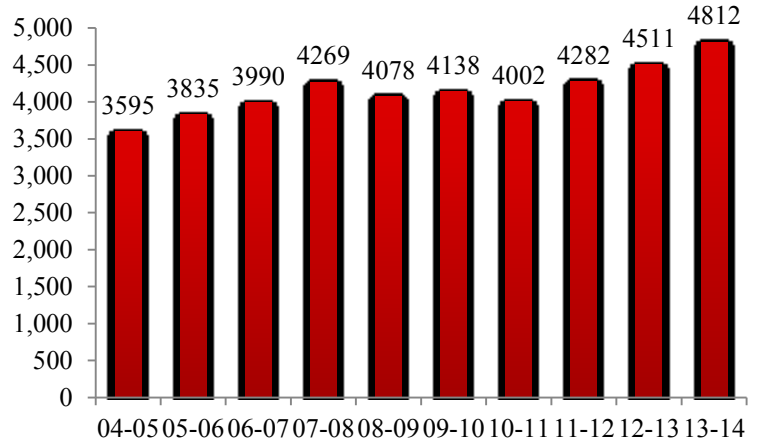
DFD BY THE NUMBERS

The Department responds to all incidents including medical emergencies, fires, hazardous materials and conditions, technical rescues and public assistance.

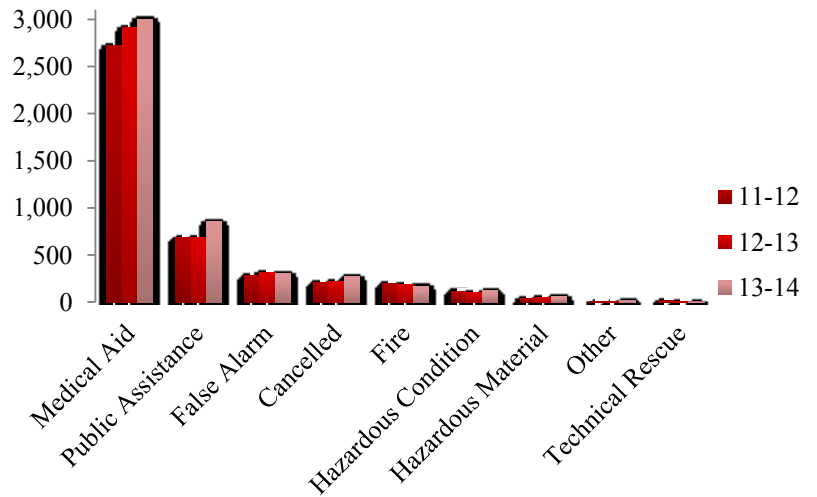
As the population of our service area has increased so have the requests for service. In 2013-2014 the total number of calls was 4,812. Calls for emergency medical response made up 62% of our calls while fires accounted for 3.6% of our total calls. Stricter building and fire codes and public education may have played a role in lowering the number of fires over the last 10 years.

The breakdown of responses for the City is similar to that for other fire agencies in California. The State Fire Marshal reported that for 2013, of the reporting fire departments in the state, 3.5% of their responses were to fires and a little over 62% were medical emergencies.

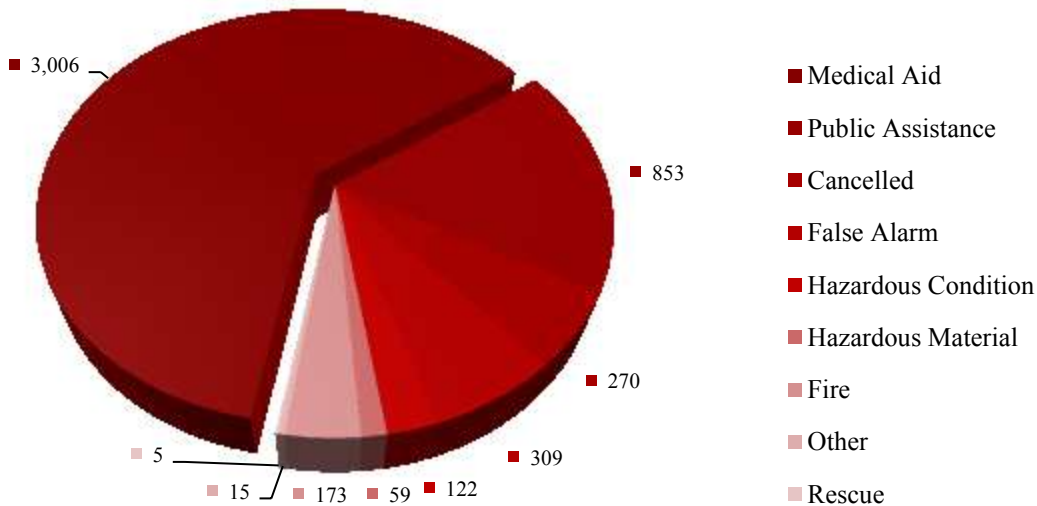
Calls for Service



Calls by Type



CALLS BY TYPE 2013-2014



A Closer Look

As shown in the chart below the Davis Fire Department responds to a diversity of requests for assistance.

Medical Call		3,006
	Illness/Injury	2,802
	Vehicle Accidents with injuries	204
Service Call		580
	Assist Invalid	311
	Cover assignment, standby, move-up	43
	Assist Police or other governmental agency	41
	Smoke or odor removal	22
	Other (water or steam leak, unauthorized burning)	163
Good Intent		543
	Dispatched and Cancelled En-route	270
	No Incident Found on Arrival at Address or Wrong Location	180
	Smoke scare, odor of smoke	48
	Other (Hazmat release investigation, no release, authorized control burn)	47
False Alarm		309
	Smoke detector activation due to malfunction or unintentional	94
	Alarm system sounded, activation due to malfunction or unintentional	80
	Unintentional transmission of Medical Alarm	48
	Other (CO detector activation due to malfunction, sprinkler activation - no fire)	87
Hazardous Materials or Condition		181
	Vehicle accident (non-injury)	80
	Gas Leak (natural gas or LPG)	22
	Gasoline, oil or other flammable liquid spill	22
	Other (Electrical, Arcing equipment, Power line down, chemical spill)	57
Fires		173
	Structures	31
	Vehicle	20
	Grass, wild land	50
	Other (cooking, chimney, trash, etc.)	72
Overpressure		11
	Excessive heat, scorch burns with no ignition	10
	Overpressure rupture from steam, other	1
Rescue		5
	Removal of victim from stalled elevator, lock-in, extrication of victim from building/structure	5
Other		4



TRAINING

The West Valley Regional Fire Training Consortium has committed ongoing and continuous efforts to ensure that our firefighters develop and maintain the competencies necessary to provide outstanding service to the community. Over the last year, deployment changes, our boundary drop with UC Davis Fire, and challenging financial times have necessitated changes in standard operating procedures and response strategies as we move forward. In order to effectively and proactively deal with these challenges the Davis Fire Department continues to not only rely on the captains and battalion chiefs to ensure ongoing quality training for our department but we also are committed to seeking innovative partnerships and solutions that will allow us to improve, as well to more fully take advantage of efficiencies found with collaborative efforts.

The City of Davis Fire Department partnered with the West Valley Regional Fire Training Consortium (WVFTC) in 2012. The WVFTC is now responsible for developing, delivering, and coordinating training activities for our department. In addition to expanding our efforts regionally we have also been able to harness a greater pool of expertise from within our own fire department as well as provide a venue for further development and mentoring opportunities for our personnel. This support has allowed for opportunities of successful execution in many areas of training which in part include:



- Officer Classes
- Truck Academy
- Firefighter Survival
- Ventilation Practice
- Forcible Entry
- Engine Operations and Advancing Lines
- MCI Training
- EMS Certification and Maintenance
- Wildland Operations
- Confined Space Operations
- Hazardous Materials Response
- Large Area Search
- Trench Rescue

Training's most noticeable impact is on our performance on the emergency scene. DFD works tirelessly to prepare for all types of hazards we may face.

To provide further training opportunities for the department, we now more fully utilize Target Solutions, an online training records management system. By doing so, the department has more time to develop the technical and hands-on skill sets necessary for our emergency responders. In addition, Target Solutions now allows us to develop department and countywide training in six week blocks, giving our captains and battalion chiefs more flexibility and opportunities to complete necessary training. This program also allows us to proactively coordinate, track, and account for each individual's progress within the Davis Fire Department so we can ensure legal mandates and standards are all met.



Training in Detail

In 2013-2014 total training hours for the department were 9,249. This data below was compiled from the department's prior training records management system and from Target Solutions the Consortium's training record management system.

Emergency Operations	2,327	Technical Rescue	322
Admin., Management & Supervision	2,038	Preventative Maintenance	189
Emergency Medical	844	Construction Tech & Fire Protection	99
Prevention	755	Fire and Arson Investigation	53
Hazardous Conditions/Material	479	Computer Skills	28
Vehicle Operation and Pump Use and Repair	474	Instructor Training	20
Portable & Fixed Accessory Equipment.	430	Other	775
Incident Command System	416		



Just as our calls for service continue to grow in diversity, so must our training. Pictured above, DFD fire personnel conduct training on highly complicated vehicle stabilization and extrication techniques. With both I 80 and HWY 113 in our jurisdiction we frequently are called to put these skills to the test.



Firefighters of the Year

In April 2014 two Davis firefighters were recognized by the American Legion, Yolo Post for their professional excellence and outstanding service to their community. Each year the department nominates a firefighter(s). This year, Firefighters Graham Northrop and Stephen Phillips received this award. This past year Graham and Steve put extensive effort into organizing and improving the efficiency of Station 33. They are both professional on the job and have an exceptional work ethic.

Graham Northrop

Graham has been with the department for 7 years. He manages his shift's engine company inspections and is active in shift training and assisting other crew members.

Stephen Phillips

Steve has been with the department for 14 years. He manages the department's Automated External Defibrillator (AED) program.



Davis Fire crews respond to a serious vehicle accident in the scene pictured above.

Retirees

In 2013-2014 two long-time employees retired. Both Mark Bills and Marty Eckhardt were hired in 1989. We will miss them and wish them the best in retirement.

Mark Bills

Mark was hired in 1989. During his time in service he became an apparatus operator; he also served as the EMS supply inventory coordinator. He was a skilled engineer and he was depended upon for his technical rescue expertise.

Martin Eckhardt

Marty was hired by the City in February 1989. He retired as an acting captain. He served as the department's examiner for the DMV Employer Testing Program for Class B licenses. Marty was the coordinator for the Firefighter's Association's Thanksgiving Basket program for many years.

Moved On

Brian Brooks was a member of the department for 12 years. He left the department in June to join the Alameda County Fire Department. Brian taught classes in RIC, wildland operations, firefighter survival and water rescue. He was a valued member of the department and we wish him well in his new assignment.



EQUIPMENT

SELF CONTAINED BREATHING APPARATUS

The City of Davis hosted a FEMA Assistance to Firefighters Grant (AFG) grant application in 2013. The Operations and Safety PPE AFG grant was awarded in 2014 to the City of Davis and City of Woodland. Davis received a little over \$350,000 to purchase 46 SCBAs with face masks and extra cylinders to replace our aging SCBAs. The majority of the units replaced were older than 2002.



SCBA's allow firefighters to operate safely in dangerous and highly toxic environments.

RADIOS

The City of Davis, along with the host city of Winters applied for a grant to purchase new handheld radios. The grant award letter was recently received and we are very excited to update our existing communications devices. Radios play a vital role in our day to day activities as we communicate with our dispatch center and other emergency units. On the fire ground they are mission critical tools that keep our firefighters safe and allow us to share important information about conditions and changes that can mean the difference between life and death.



Handheld radios are one of the most important tools a firefighter carries.

THERMAL IMAGING CAMERA

The department purchased two Bullard T320 thermal imaging camera this fiscal year. The images assist firefighters in rescue and checking for extension and hidden areas of fire.



Pictured above is a thermal imaging camera and a screen shot from the camera where you can actually see a firefighter in a smoke filled environment.



APPARATUS

In 2013-2014 the Department purchased four apparatus. The City of Davis has a 20- year replacement program for fire engines. An engine is scheduled to be a first-out engine for the first 10 years and then serve 10 years as a reserve engine, at which point it is replaced.

In September 2013 the first out engine at Station 33, was replaced with a 2013 Spartan/Hi-Tech Type I 1500 GPM 500 Gallon Pumper (structure fire engine).



Also in the fall of 2013 Station 33's Type III engine was replaced with a 2013 International/Hi-Tech 500 GPM 500 Gallon wildland fire engine. Firefighter and citizen safety is of major importance to the department. Both engines meet current safety standards and safety striping has been added to these new engines to increase visibility.

The department also purchased a 2014 Chevy Tahoe Special Service Vehicle (SSV) to serve as a command vehicle and a ¾ ton 4x4 2014 Ford F250 pickup.

The department's inventory of vehicles also includes: four Type I engines including two reserve engines (2000, 2002, 2003, 2012 Spartan/Hi-Tech), a 2000 International/Hi-Tech Rescue vehicle, a Type I 2007 International/West Mark water tender, a Type III 2006 International/Hi-Tech pumper, a 2006 International/Ferrara squad, a special operations trailer, a 2008 Ford Expedition SSV, 3 Ford Crown Victoria chief's sedans and two antique vehicles (a 1941 Fabco Type I pumper and a 1928 Model A Ford engine).



Type 3 engines, such as Grass 33, are the first line of defense to combat wildland/vegetation fires found throughout the City and the special districts that contract with DFD. It is rugged, compact, and has high ground clearance allowing it to go places other fire engines cannot.



FIRE AND LIFE SAFETY

The Fire and Life Safety Division (Fire Prevention) enforces state and local fire code, performs fire safety inspections, does plan review and issues permits. The Division also manages the department’s public education, fire investigation and weed abatement programs.

Plan Review

The Fire and Life Safety division processed and reviewed 191 plans in 2013-2014. These project plans included building, shop, site, subdivision and tenant improvement construction. The majority of these construction projects also involved at least two on-site inspections.

Plan Reviews	191
Properties visited during Engine Company Inspections	1,600

Life Safety Inspections

In addition to the inspection of new businesses, new construction and tenant improvements; the Fire Marshal is mandated to inspect state licensed day care facilities and residential care facilities.

Projects

The Fire Marshal consults with other city departments on construction projects to ensure that life safety requirements are met. Road and development construction is evaluated by the Fire Marshal for emergency response vehicle accessibility, adequate and accessible water supply, and sufficient room to operate emergency equipment. Such projects include the 3rd Street renovation, the Fifth Street Improvement and the Cannery Park projects prior to and during implementation.



Hazards exist everywhere in our world. Regular inspections help reduce both property loss and injury.

The Fire Marshal works closely with other city departments and groups, such as the Police Department, Community Development Department, the Chamber of Commerce, restaurant owners, the Farmers Market staff and the School District in the planning, inspection and safe execution of special events, such as the Fourth of July Celebration in Community Park, Celebrate Davis, Picnic Day, the Davis Farmers Market and Grad Night.

Engine Company Fire Safety Inspections

The department’s Fire Safety Inspection program dates back to the 1970s. It was begun as an effort to reduce the frequency of fires, contribute to the safety of citizens and to familiarize the firefighters with properties in the city. Each year the engine companies inspect each commercial address and the common areas of multi-family dwellings. The engine companies are assigned a section of the city to inspect; this is done on a rotating basis so that over a five year period each firefighter will be able to familiarize them self with every



Built-in fire suppression systems are one of the best investments that can be made to protect a structure.



commercial or multi-family housing dwelling in the city

Shared Services

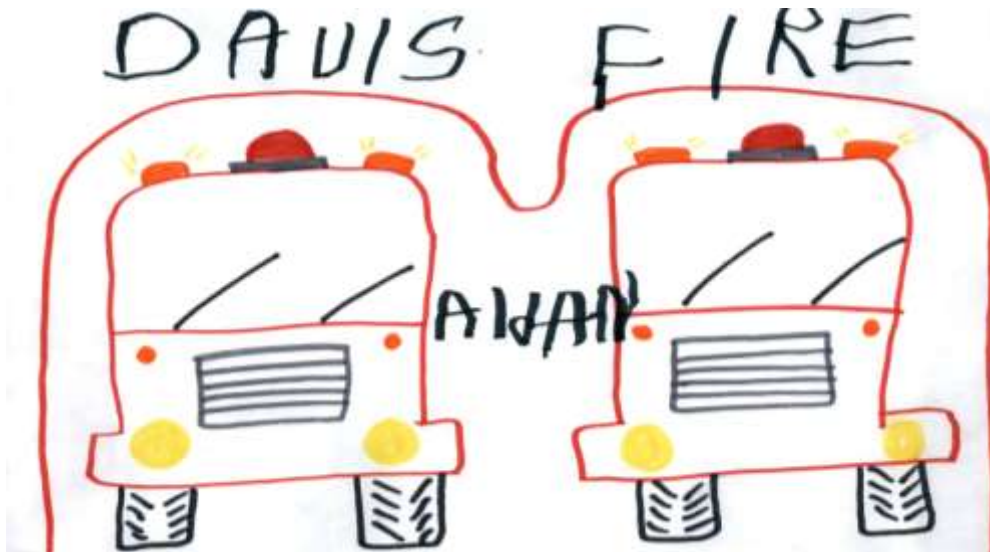
In 2012 a contract for shared services was entered into with the City of Woodland. In an effort to share the costs of managing two fire prevention bureaus, the City of Davis Fire Marshal's responsibilities were split between the cities. During the fiscal year a significant amount of time was dedicated to the development and administration of this shared program.

The Future of Prevention, Fire & Life Safety Services

The Fire Marshal is working toward a cohesive, efficient and effective shared prevention bureau. He is implementing new inspection and time tracking systems to streamline access to data in the future. The department will continue to explore shared fire prevention and fire investigation services with neighboring cities.

OUTREACH AND INTERACTION

The Fire and Life Safety Division manages the Public Education program for the Department. In 2013-2014 the engine companies made 87 public education contacts. This included tours of the stations, visits to businesses, ride-alongs, participation in public events, and presentations to Davis students. Each October, during Fire Prevention Month, the engine companies visit local elementary and preschools to discuss fire safety with the students.



GIVING BACK



Thanksgiving Basket

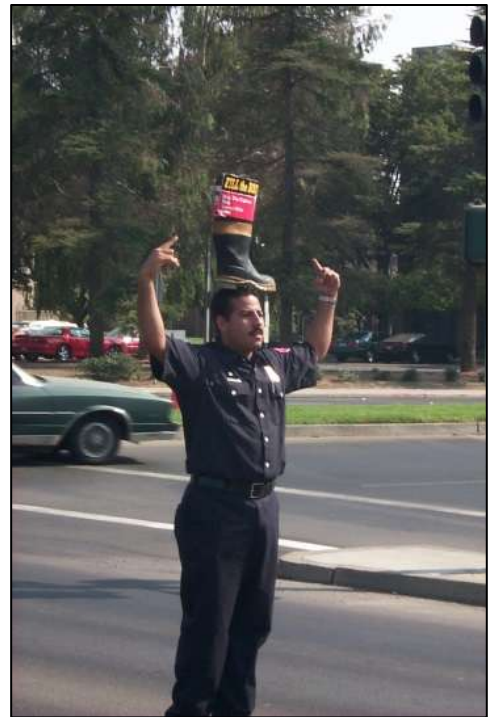
On the Wednesday before Thanksgiving each year, for over 25 years, Firefighter’s Local L3494 has organized, assembled and distributed “Turkey Baskets” to the community. The basket includes a frozen turkey and packaged side dishes. The program was established to provide a Thanksgiving dinner to those Davis residents who could not afford one. The majority of the meals are distributed to community groups; however, individuals can also sign up to receive a meal.

In 2013 the Firefighter’s association distributed 700 baskets; off-duty firefighters, their friends and families assembled the baskets early in the morning, on the day before Thanksgiving. The firefighters raise

funds to pay for the meals, but they could not provide this service without the additional support of community groups and businesses. In 2013, support to the basket program was provided by Davis Waste Removal, Safeway, deVere’s Irish Pub, Coca-Cola, the Davis Odd Fellows Lodge, D.H. – Construction and Dos Coyotes Border Cafe.

“Fill the Boot”

Each year in the spring and fall you may see off-duty firefighters at local intersections “filling the boot.” They are collecting funds to support either the Thanksgiving Basket program or the Muscular Dystrophy Association. Drivers have been very generous during these fundraisers. This spring L3494 was able to donate over \$4,000 to the Muscular Dystrophy Association.



LOOKING FORWARD...

This coming year we will be very busy working to meet our 2014-2015 department goals and building a cohesive relationship between the City of Davis and UC Davis Fire Departments.

Five new firefighters will be hired and trained by the beginning of 2015 to fill vacancies created by retirement and turnover. Before beginning work in the city, the firefighters will attend an in-house fire academy.

At the start of 2014-2015 we will be transitioning to a shared records management system with UCDFD to establish coordinated/integrated record keeping, daily staffing information and standardized incident reports.

Throughout the year we will be working toward our goals which include: completing standards of cover document, a strategic plan through 2020, revising the department's policy manual, and completing the department's standard operating guidelines (SOG) manual. We will also be working toward strengthening our community outreach and public education programs and focusing on community emergency preparedness and Emergency Management. We will begin work towards department accreditation and will be evaluating countywide shared services for fire prevention and arson investigation. And lastly we will work toward establishing a professional development program. We will be busy this coming year but our first and primary responsibility is to continue to provide the highest quality of customer service to our community.

