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Message from the Fire Chief

This annual report provides a variety of information about the activities of the Louisville Fire Protection District (LFPD) for the year 2014. I am pleased to report that great progress was made in many areas. In keeping with our mission and vision, LFPD firefighters have consistently demonstrated a personal commitment to protect the property and quality of life of the citizens in our District. As our slogan states, the members of the LFPD continually exhibit “Our Family Serving Your Family.”

2014 was a busy year for the LFPD. We responded to more than 2,500 incidents. In addition to fighting fires, LFPD firefighters also prepared for and responded to various other types of emergencies such as: Medical calls, hazardous material incidents, and rescue situations in natural or manmade disasters. In each emergency, someone experienced an unexpected and many times unfortunate event that led them to call the fire department for assistance. We understand that loss and pain is often associated with an incident requiring our service. It is my hope that we provided not just the professional response necessary to mitigate these emergencies, but also the appropriate compassion to support the individuals and families involved in these situations.

Last year, the LFPD had three life saves. A life save is considered if a person was able to leave the hospital under their own power. We are very proud of our members for their accomplishment in providing these lifesaving skills.

In closing, I would like to thank the LFPD Board of Directors for their guidance and support, which enables us to offer the high level of service we provide. And most importantly, the devoted members of the LFPD for their commitment and professionalism in carrying out their duties. I am honored and blessed to serve with them.

Sincerely,
John Willson, Fire Chief
LFPD Mission Statement

“It is our mission to preserve life and property and to promote public safety for the citizens of the Louisville Fire Protection District. Our committed and well-trained professionals provide quality fire prevention, public education, fire suppression and emergency medical services. We honor our volunteer heritage using innovative strategies and methods to improve our service delivery.”

LFPD Vision Statement

“Our vision is to provide best-in-class fire protection and emergency services to our community in a professional manner with an emphasis on customer service and fiscal responsibility.”
Organizational Chart

Fire Chief

PIO

Life Safety & Prevention Division
- Fire Marshal
  - Battalion Chief Training
    - Career Lt
    - Career & Volunteer Staff
  - Career Lt
  - Career & Volunteer Staff

Tactical Operations Division
- Battalion Chief Ops
  - Career Lt
  - Career & Volunteer Staff

Battalion Chief EMS
- Career Lt
  - Career & Volunteer Staff

Support Service Division
- HR & Business Administrator
  - Admin Assistant

Fleet Service Division
- Senior Mechanic
# 2014 LFPD Call Statistics

## Total Number of Calls by Jurisdiction and Month

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<th>Jurisdiction</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>July</th>
<th>Aug</th>
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<td>249</td>
<td>273</td>
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*Yearly record, old record 1758 in 2013

## LFDPD Incident by Type (2014)

- **Fire**: 3%
- **Rupture, Explosion**: 0%
- **Rescue, EMS**: 55%
- **Hazardous Conditions**: 9%
- **Service Call**: 8%
- **Good Intent Call**: 15%
- **False Alarm and False Call**: 10%
- **Other**: 0%

![Diagram](image-url)
Total Number of Calls by Year

Call volume increased in 2014 due to Intergovernmental Agreement with Rocky Mountain Fire Protection District

Average Response Times (2014)

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<th>Average Response Time</th>
<th>90th Percentile</th>
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<td>7m 59s</td>
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<tr>
<td>Fire</td>
<td>6m 06s</td>
<td>9m 14s</td>
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</table>
**Engine Response Times**

(Time from tone to first suppression unit arrival, Louisville calls only)

[Graph showing Engine Response Times with data points for average and 90th percentile]
Ambulance Response Times
(Time from tone to first suppression unit arrival, Louisville calls only)

ALS Response Times

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<thead>
<tr>
<th>Month</th>
<th>Average</th>
<th>90th Percentile</th>
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<tr>
<td>Dec</td>
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</table>
Emergency Medical Division Overview

Since 2008, the Louisville Fire Protection District (LFPD) has provided compassionate and highly competent Advanced Life Support (ALS) transport services to the citizens and visitors of the city of Louisville, the Louisville Fire Protection District, and surrounding communities in Boulder County. The Emergency Medical Services (EMS) Division is responsible for the safe and timely transportation of patients primarily to the three local hospitals (Avista, Good Samaritan, and Boulder Community).

In 2014, the LFPD joined with the Rocky Mountain Fire District (RMFD) to provide ALS transport services to the citizens and visitors of RMFD. This collaboration has proven to be very successful and has led to multiple other opportunities for each district to assist one another in providing high quality professional EMS and fire protection services. Utilizing a combination of emergency medical technicians (EMTs) and paramedics staffing three ALS transport medic units, our system has firmly established itself as one of the most progressive providers of EMS in the region and a catalyst for many regional advances in pre-hospital care.

EMS Operations

2014 was a record year for LFPD in regards to EMS calls for service and transports. Rescue/EMS calls increased from 958 in 2013 to 1,419 in 2014, a 48% increase. A total of 64% of the Rescue/EMS calls for service were in-district. EMS transports increased from 857 in 2013 to 1200 in 2014, a 40% increase. A total of 669 patients were transported to Avista Hospital, 338 to Good Samaritan, 130 to Boulder Community, 54 to Centennial Peaks and 6 to other metro area hospitals which included Denver Health, Longmont United, PSL, and Children's Hospital.
2014 Patient Destination

Avista 669
BCH 130
Good Sam’s 338
Centennial Peaks 54
Other 6

2013 - 2014 Rescue/EMS Calls & Transport Comparison
Highlights

New Equipment...

LFPD took delivery of two new Braun Chevy G4500 Chief XL ambulances in the spring of 2014. With ideas and suggestions brought forth by LFPD Medics and EMTs, significant changes were made to the interior patient compartment and exterior compartment layout of the ambulances from the previous units that were purchased in 2007. These changes allow for safer patient care in the patient compartment of the ambulances and more efficient and safer access to equipment from the outside of the units.
Paramedic Training...

In late 2014, one LFPD career member completed paramedic training through St. Anthony’s paramedic program and became certified as a paramedic. In addition, LFPD paramedics provided mentored field instruction for one paramedic from RMFD. This was a cooperative agreement between our two agencies to provide high quality field instruction for new paramedics. Also, in late 2014, two LFPD volunteer members were accepted to paramedic training programs in the metro area. One began the Denver Health paramedic training program in late 2014 and the other was accepted to St. Anthony’s paramedic program and was slated to start classes in early 2015.

2014 Ebola Outbreak...

In September 2014, the United States had its first known case of Ebola with illness onset and laboratory confirmation. The patient was a traveler from Liberia who lived in Dallas, Texas. This case sparked widespread panic among people in the United States. LFPD and RMFD quickly recognized the importance of ensuring that our system was prepared should a case arise in our own area. The EMS Division along with the Training Division of LFPD and RMFD began putting together policies and procedures to educate personnel on recognition of the Ebola virus and how to deal with these cases should they arise. Ebola kits were assembled and training conducted to all LFPD and RMFD members on donning and doffing appropriate PPE, along with a step-by-step process, beginning with dispatch, to handle potential Ebola cases in our area. There have been no reported Ebola cases in our district since the start of this epidemic. However, the EMS Division continues to monitor updates from the Center of Disease and Control, and have current policies and procedures in place should an Ebola case happen in our community.

CPR Instruction...

LFPD CPR instructors conducted over 20 CPR classes in 2014, for more than 100 individuals. Of the participants, 36 were local citizens and 69 were LFPD members.

Bystander CPR and the Vital Link Award...

An often underappreciated and underpublicized link in the survival chain of a sudden cardiac arrest victim is bystander CPR. When a victim goes into sudden cardiac arrest, we can greatly increase their chance of survival if a bystander is there to help immediately. The two core staples of a successful cardiac arrest resuscitation are early chest compressions and defibrillation. Both of these tasks can be accomplished long before the fire department arrives by a bystander who is trained in CPR and has access to an AED.
The Vital Link Award was created specifically to honor our citizens. It will be presented to individuals who are involved in saving a life through successful cardiopulmonary resuscitation (CPR) efforts. Award recipients will be nominated by LFPD paramedics who wish to express their appreciation for the exceptional assistance they received at the scene of a medical emergency. In addition to providing much deserved formal recognition to members of the public, the Vital Link Award Program is also an excellent opportunity to educate the public about the positive impact bystander CPR can have on patient outcomes. It is LFPD’s hope that by recognizing contributions and reinforcing the importance of bystander support, similar actions will be encouraged in the future.

Our 2014 Success Story...

In October 2014, LFPD crews responded to a victim of sudden cardiac arrest at CTC. Upon our arrival, LFPD crews came into contact with the victim and first responders of the Zeon Company who were performing excellent bystander CPR. Through immediate cardiac arrest recognition, bystander CPR, an extended resuscitation on scene, and rapid transport by EMS, LFPD crews were able to save a life. The victim was discharged from the hospital two weeks later and returned to normal life. LFPD recognized the first responders from the Zeon Company for their heroic efforts in saving the victim’s life and presented them with the first-ever Vital Link Award.

On 11/14/2014 an awards ceremony was held at the Zeon Company at 321 S. Taylor Ave in CTC. The cardiac arrest survivor was present and said a few words and presented the awards himself to the bystanders who were a vital link in his survival. There were numerous LFPD members in attendance at this ceremony.
Training Division

LFPD firefighters logged a combined total of 5,782.75 training hours in 2014. This averages over 82 hours per individual firefighter. A number of our members completed more than 150 hours each.

Louisville Fire and Rocky Mountain Fire collaborated on multiple training disciplines in 2014.

- 37.50 hours - Rope Rescue (Eldorado Springs and NREL)
- 72 hours - Ice Rescue
- 160 hours - Auto Extrication
- 160 hours - Wildland

Louisville Fire renewed certifications for the following levels in 2014 (Certifications renew on a three-year cycle)

- Firefighter 1 = 5
- Firefighter 2 = 7
- Driver Operator (utility, pumper, and aerial) = 15
- Hazardous Materials = 21
- Fire Officer = 3
Louisville Fire had multiple members attain certification above minimum standards, which are Firefighter 1 and Hazardous Materials Operations.

- Driver Operator (utility, pumper, and aerial) = 17
- Hazardous Materials Technician = 4
- Fire Officer = 3
Life Safety and Fire Prevention Division

The mission of the Life Safety and Fire Prevention Division (Division) is to protect the public and the fire service with coordinated efforts in code enforcement and public education, thereby reducing the loss of life and property due to fire and other emergencies in the Louisville Fire Protection District (LFPD). The Division provides review of construction documents, permitting inspections, license inspections, safety education, CPR training, data management, and high target hazard inspections. The Division also serves as the liaison between the fire department and city departments, such as Building and Zoning.

The vast majority of daily activity is to gain compliance of the International Fire Code through inspections and education. The Division continuously educates building owners and tenants while conducting inspections. This helps to gain voluntary compliance, as well as limit the number of repeat violations in the future.

After much hard work and support from numerous groups, the Division adopted the 2012 International Fire Code which includes the residential fire sprinkler requirement. The residential fire sprinkler requirement applies only to new construction, it does not include remodels. By adopting this requirement, residences that were not previously required to have a fire sprinkler system, will now benefit from this added protection. This will help keep fire losses low and add another component in keeping our citizens safe.

In 2014, the Division issued 165 permits, generating $82,725.00 in revenue. The Division conducted a total of 861 inspections including schools, licenses, permits, referrals, reinspections, and special events. Additionally, 165 sets of building, alarm, and fire sprinkler plans were reviewed. Fire safety inspectors played a key role in community education, working closely with the Public Education Group on special events and presentations.
The Fire Investigation Unit (FIU) consists of the Origin and Cause, Arson, and Juvenile Fire Setter Intervention Program. The Origin and Cause section is staffed by two investigators who are responsible for determining the origin and cause of fire incidents such as structure fires, vehicle fires, outside fires, trash & dumpster fires, and malicious false calls. In 2014, the Origin and Cause Section responded to 33 incidents which required only one investigation and resulted in a $100,000 loss in contents and property.

The Juvenile Firesetter Intervention Program is responsible for the follow-up and intervention of fire-related incidents that involve youth who are playing with fire and are at a higher risk of future criminal activities as they become adults. Nationally, children who play with fire cause nearly 80,000 structure fires per year which result in approximately 760 deaths and more than 3,500 injuries.

Juveniles who enter the program are referred to other health and human service agencies to provide an approach to supporting the youth and their families to proactively assist them in correcting behaviors, improving mental health and educating youth regarding accountability and decision-making. The firesetter program assists in keeping the youth out of the family court system through diversion and education in the hope of providing them the skills needed to follow a positive path as they grow to adulthood. In 2014, the program didn’t make contact with any youths. We believe this is the result of a great public education program that reaches approximately 200 plus school-age children a year teaching them about general emergencies and fire safety, which is led by our public education coordinator.
Milestones

Chief Parker Retires - After 42 years in the fire service and 10 years as Fire Chief at LFPD, Chief Tim Parker retired. Some of his major accomplishments here included developing a comprehensive plan for the District, hiring the first career LFPD firefighters, renovation of Fire Station 1 and construction of a maintenance & training facility, ambulance service accreditation, and adoption of the residential fire sprinklers requirement. Chief Parker’s retirement plans include a well-deserved rest, traveling and consulting. We wish him the very best in retirement and he is welcome back anytime.

Training Center - In 2014, LFPD opened its new 16,000 square foot Maintenance and Training Facility in the Colorado Technology Center. The facility has a classroom, bay space, workout room and burn tower.

Christening the new burn building
Working Together - In 2014 we entered into an Intergovernmental Agreement to cooperate with Rocky Mountain Fire Protection District in ways to improve service for both districts with no increase in costs. Some of the areas include shared battalion chief, training, emergency medical services, career and volunteer staff.