

2022 Annual Report







TABLE OF CONTENTS

TABLE OF CONTENTS

Message from the Fire Chief	Pages 4-5
Mission, Vision, and Values	Pages 6-7
About Denver Fire	Pages 8-9
District Map and Apparatus Profile	Pages 10-11
Response Standards	Pages 12-13
International Fellowship Program	Pages 14-17
Accreditation and ISO	Pages 18-20
Wildland Program	Pages 21-22
<u>EMS QA/QI</u>	Pages 23-24
Denver Fire Events	Pages 25-53
Significant Incidents	Pages 54-60
<u>Division Updates</u>	Pages 61-80
Operations Division	Pages 62-63
Fire Prevention Division	Pages 64-65
Technical Services Division	Pages 66-67
Administration Division	Pages 68-75
Safety and Training Division	Pages 76-77
Airport/DFN Division	Pages 78-80



MESSAGE FROM THE FIRE CHIEF

MESSAGE FROM THE FIRE CHIEF

The Denver Fire Department is pleased to present an overview of our emergency response and level of service to the community during the calendar year of 2022 as shared in this Annual Report. This report is reflective of the dedication and hard work from our uniformed members, professional staff, and every person affiliated with the Denver Fire Department that makes us who we are.

The Annual Report speaks to efforts and accomplishments of the Denver Fire Department as we continuously lead through emergency response, community engagement, and wellness. As incident numbers and emergency response numbers

grow due to population growth and the explosion of commercial, residential, and vertical buildings throughout



the city, we continue to meet the demands brought forth. Not only are we meeting these challenges with success, but we are exceeding expectations each and every day. This report serves as a tool used for evaluating and supporting decisions that enhance the departments mission of serving our communities and guides us in ways, we can better assist with community risk reduction and emergency response.

We are blessed to have the unwavering support of Mayor Hancock and Denver City Council, but make no mistake, our success is because of the hard work and dedication of every one of you that wears the Denver Fire badge, and those that work behind the scenes throughout numerous divisions and within many capacities.

We continue to be reflective of our core values of integrity, compassion, and excellence striving to be the best in all we do. Your professionalism, dedication, and desire to make someone's darkest day a little brighter is what makes us who we are. It is an honor to work with, and for such dedicated people, and be a part of this amazing fire family.

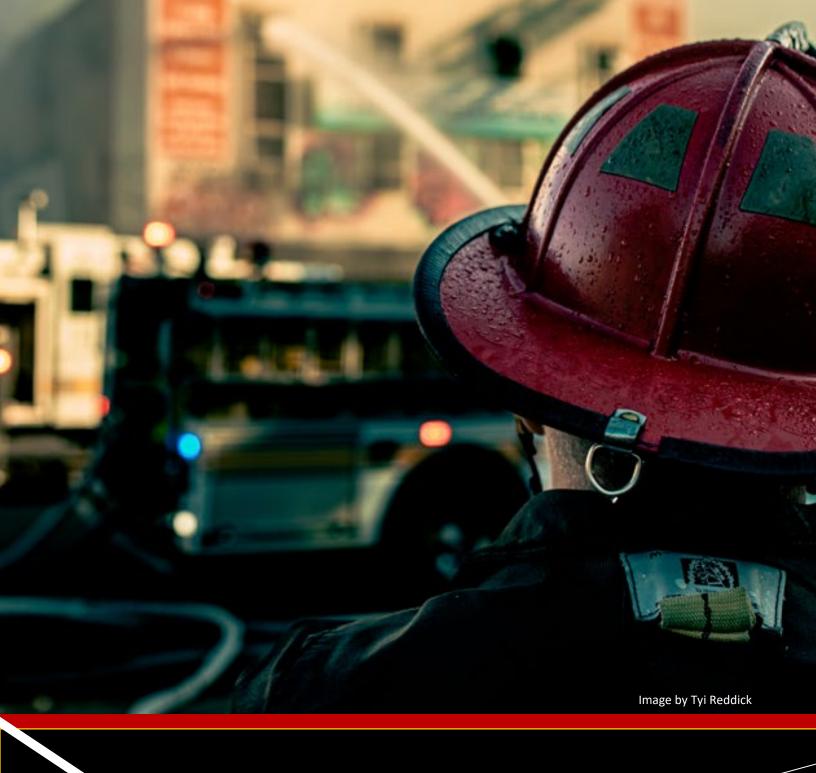
Thank you all for making the Denver Fire Department the absolute best!

With Appreciation,

Desmond G. Fulton

Chief of Department





MISSION, VISION,

AND VALUES

MISSION, VISION, AND VALUES STATEMENT

Mission

The Denver Fire Department is dedicated to:

Our Desire to Serve

Committing to those we serve with integrity, accountability, and inclusivity.

Our Courage to Act

Providing quality, timely and professional emergency services to protect life and property.

Our Ability to Perform

Working together to maintain the highest standards of mitigation, preparedness, prevention, and community engagement.

Vision

The Denver Fire Department is a nationally accredited organization built on a rich history of tradition, continuously leading through emergency response, community engagement and wellness.

Embracing a caring culture built on a foundation of respect, inclusion, and trust. Continuously leading the fire service through innovative practices with a focused attention to our family and yours.

Values

How We Serve Our Community:

Integrity - Ethical actions with honesty and respect

Compassion - Caring for each other and those we serve

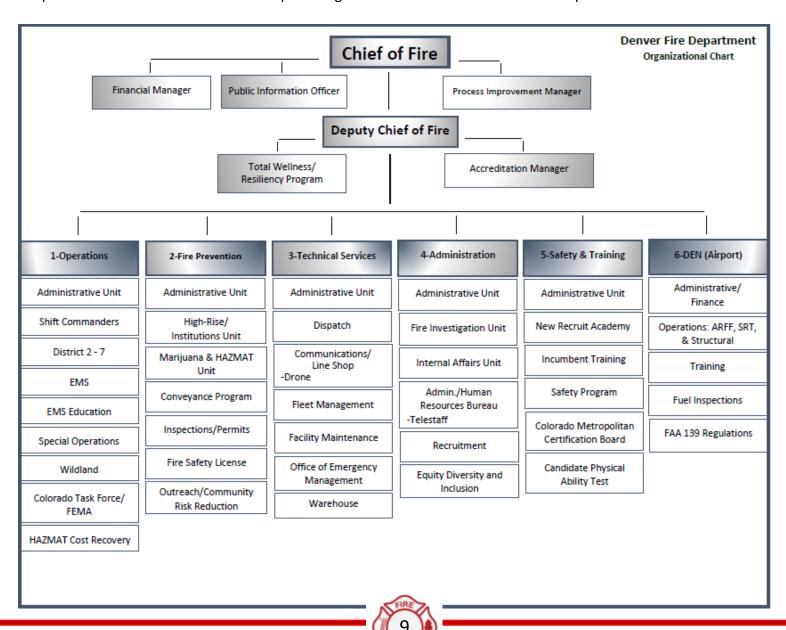
Excellence - Striving to be the best in all we do



ABOUT DENVER FIRE

ABOUT US

Established March 25, 1866, the Denver Fire Department provides services to the citizens who live in, work in and visit the City and County of Denver. Denver Fire Department provides all hazard responses and emergency medical services, fire suppression, emergency medical services, technical rescue, hazardous materials response, water and high angle rescue. The Department has over 1,000 paid professional firefighters supporting daily fire/rescue and medical operations. The Department also employs 55 civilian staff supporting all Divisions. There are 39 fully staffed firehouses responding to fire and emergency calls within the city. Denver Fire provides fire and emergency calls to the City of Glendale, City of Sheridan, Englewood, and Skyline Fire District through contract agreements. The Department has five staffed firehouses providing services at Denver International Airport.



DISTRICT MAP

AND

APPARATUS PROFILE

- 39 Fire Stations
- **6** District Chiefs
- 33 Engines
- 6 Towers
- **1 HAZMAT Unit**
- 1 Dangerous Goods Response Team (DGRT)
- 7 Aircraft Rescue and Fire Fighting (ARFF) Apparatus

1 Shift Commander

9 Ladder Trucks

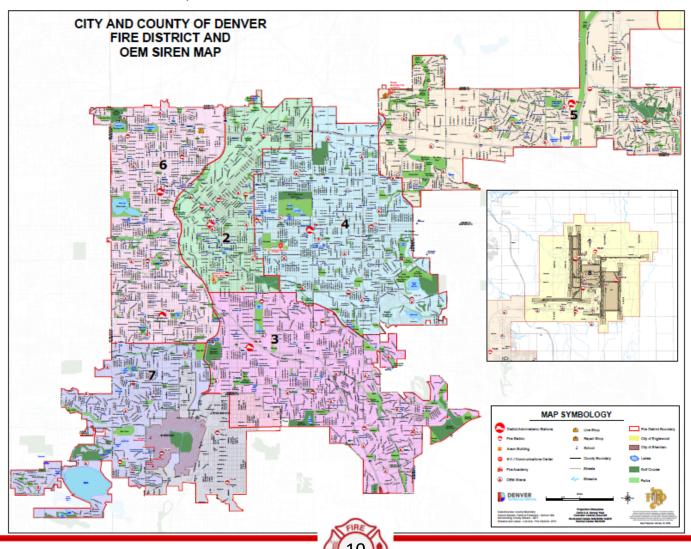
2 Heavy Rescues

1 Red Chief

1 Airlight

Additional specialized apparatus 😵 2 Med Units

The Denver Fire Department provides emergency response by 39 fire stations within 6 Districts with one additional at DEN. The Denver Fire Department maintains constant staffing of 4 members per apparatus in suppression within the city. There are 199 members on duty each day responding to emergency incidents within the 6 fire districts and 34 on-duty at DEN.

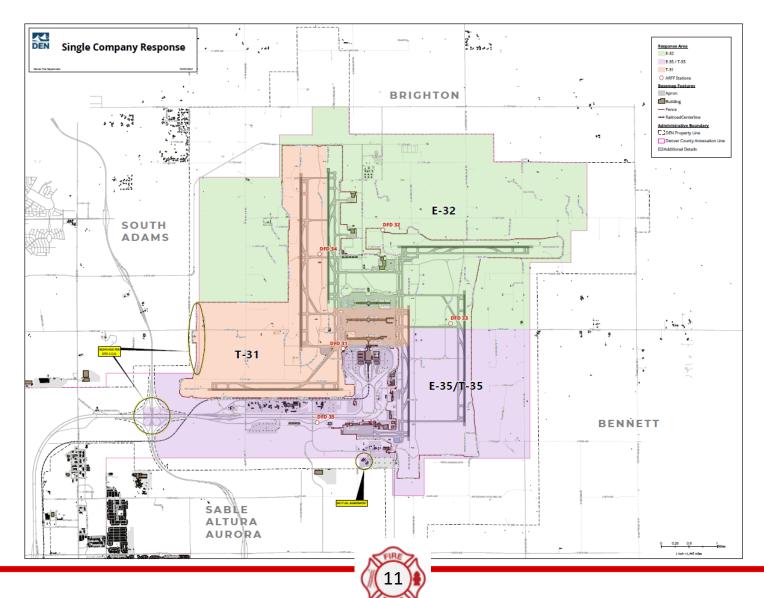


DISTRICT MAP

<u>AND</u>

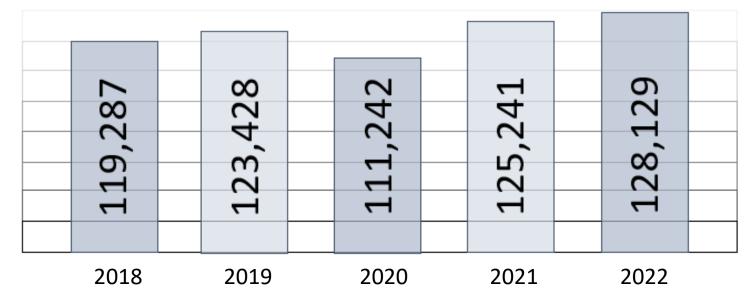
APPARATUS PROFILES

The Airport division (DEN) of the Denver Fire Department provides fire and emergency responses to the Department of Aviation through five full-staffed stations. DEN property response coverage is approximately 53 square miles to include six runways. Additionally, a potential to respond outside of the airfield may include up to an 8-mile radius.



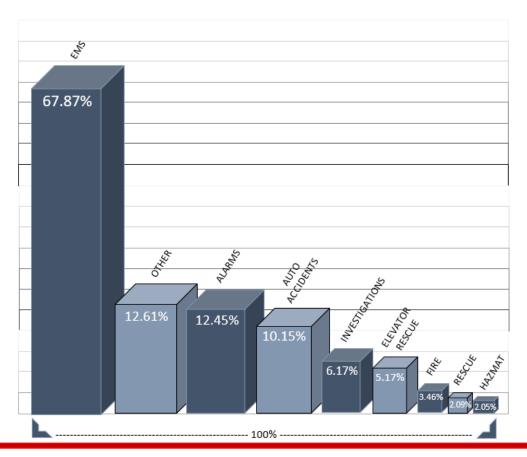


DENVER FIRE TOTAL INCIDENTS BY YEAR 2018-2022





DENVER FIRE INCIDENT TYPE BREAKDOWN 2018 - 2022





The Denver Fire Department was honored to be selected to participate as a host agency for the IFP. The IAFC describes the program as follows:

"As part of the International Fellowship Program, international firefighters are placed in leading U.S. fire departments for six months to learn best practices and internalize the U.S. fire service culture. Through this program, the IAFC is building a community of U.S. fire departments that believe in the continuous improvement of the fire service

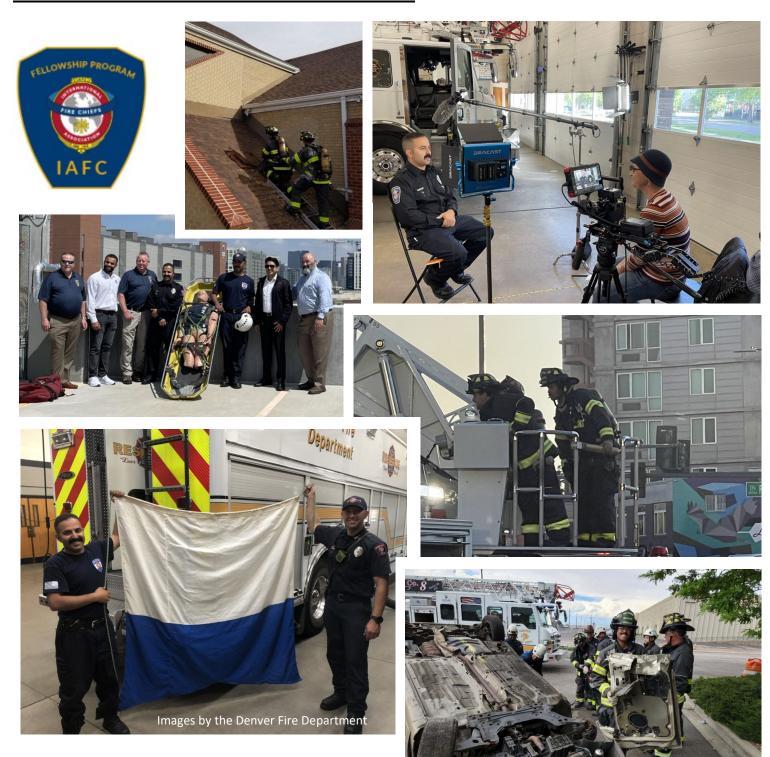
across cultures. The fellowship is punctuated with targeted leader-development training and culminates in a capstone project on a topic of their choosing that addresses current or emerging issues in their department. This unique partnership was born out of like-minded leaders getting together to address the growing challenges of the fire service."

The Denver Fire Department, in conjunction with the International Association of Fire Chiefs, is currently hosting eight firefighters from the Saudi Aramco Fire Department as part of the International Fellowship Program (IFP). The IFP is an opportunity for firefighters from around the world to spend time with large fire departments within the United States and increase their operational experience and gain an understanding of the American fire service culture.

The International Association of Fire Chiefs International Fellowship program ended on June 22nd. The 8 Saudi Aramco Firefighters graduated from the Fellowship Program and returned home. The Firefighters were assigned to Engine and Truck 8, Engine 9, Rescue 2, and Engine 22. You may have noticed that these firefighters became part of the crews, responding and performing just as a Denver Firefighter does on calls and in the stations. This program was a great learning experience for these firefighters. Many of them, although in their Departments for 10+ years, had only responded to 1-2 fires during their career so far. These firefighters were proud to call themselves Denver Firefighters and learned a tremendous number of firefighting skills.

This program was also a great learning experience for our Department as we strive to be a world-class-department. The Department received equipment from the program, and it has been added to our supply cache of equipment to be distributed to companies as needed.

Thank you to the host companies for making this a successful program.





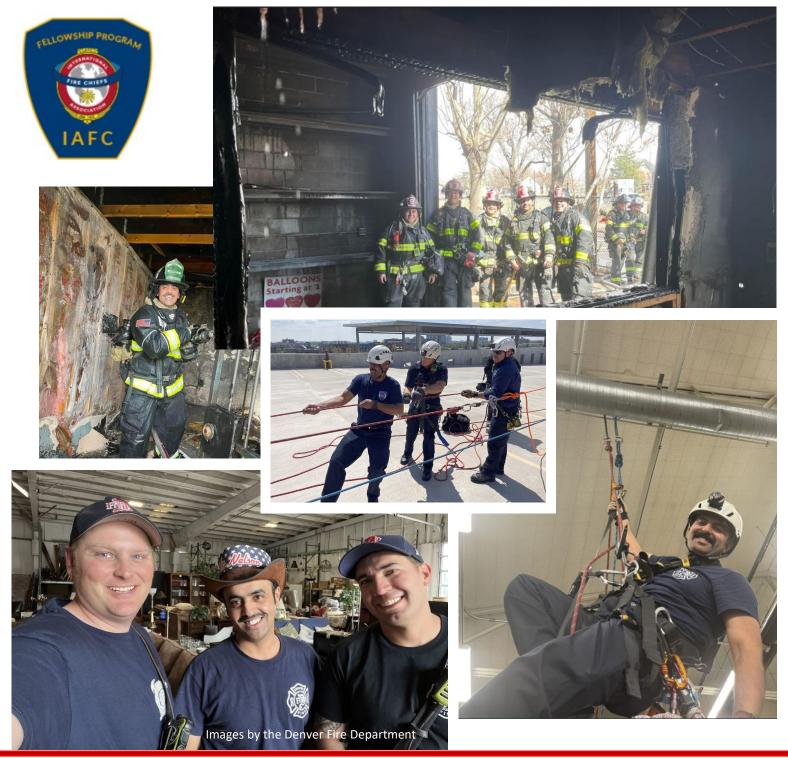


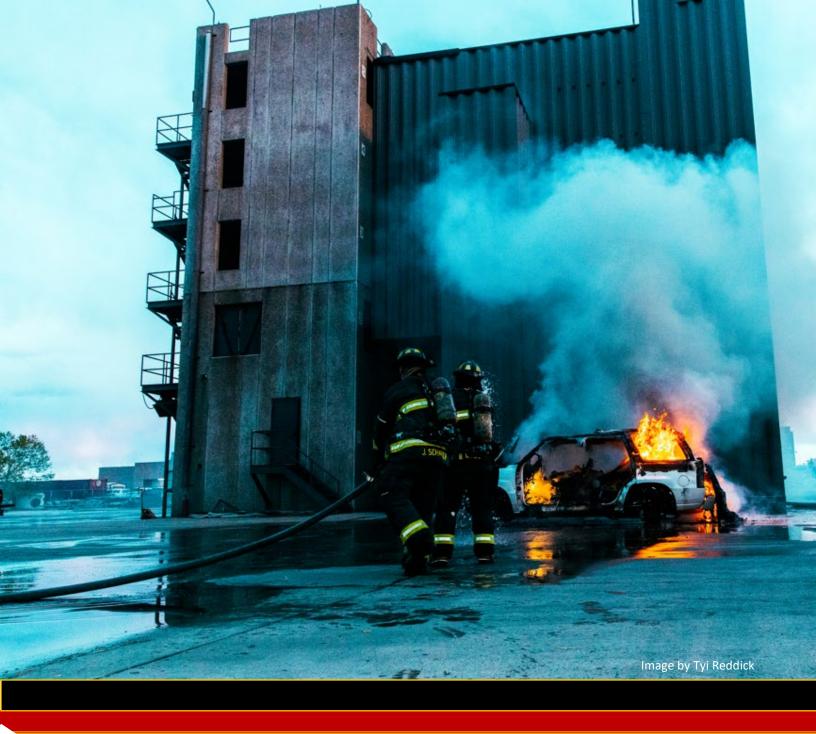












ACCREDITATION AND ISO

ACCREDITATION



The Denver Fire Department became an accredited in 2018. Accredited agencies are often described as being community-focused, data-driven, outcome-focused, strategic-minded, well organized, properly equipped, and properly staffed and trained.

The Commission on Fire Accreditation International (CFAI) provides agencies the accreditation model, various

accreditation publications and trainings; working towards, achieving, and maintaining accreditation:

- Provides greater community alignment.
- Encourages quality improvement.
- Facilitates input from and builds positive relationships with labor.
- Identifies areas of strengths and weaknesses.
- Allows for the establishment of a plan for improvement.
- Provides data supported decision-making.
- Communicates management and leadership philosophies.
- Ensures your agency has a defined mission and related objectives.
- Encourages the development of organizational procedural documents.

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

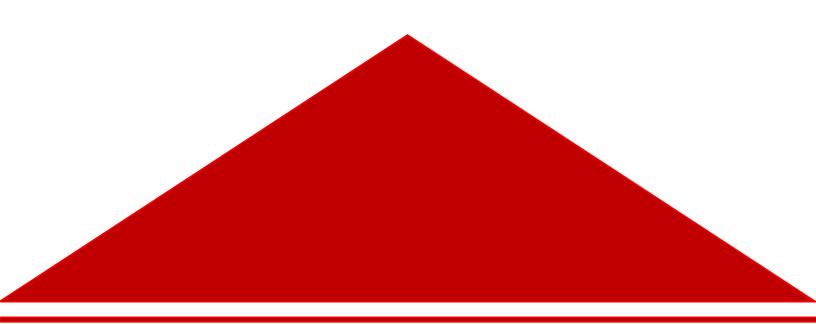


ISO certification is a seal of approval from a third-party body that a company runs to one of the international standards developed and published by the International Organization for Standardization (ISO).

The ISO are an independent, non-governmental international organization who brings together experts to share knowledge and develop international standards that support innovation and provide solutions to global challenges.

The Denver Fire Department has an ISO rating of "1".

An ISO Class 1 rating is a true rarity, a fraction of the top 1% of all fire departments nationwide. It has been awarded to only 329 of the nation's roughly 45,000 fire departments. The training and preparation involved in receiving a Class 1 rating are rigorous.





Wildland Program



Wildland Program

The DFD wildland program concluded 2022 with a total membership of 212. A total of 18 were new and participated once completing all department and national certifications. There were 219 deployments to fires in Colorado, Alaska, 14 western and midwestern states and 4 in the east between March and October. Members were deployed in communications, helicopter operations, dispatching, airtanker bases, as fire-line EMTs, and for engine and module suppression assignments. Four members were rostered and deployed with regional and national incident management teams.

Of Note:

- A Type 1 Engine Strike Team and surge engines were deployed to the Marshall Fire in January.
- Beginning in April and continuing through May, wildland engines 301, 601, and 602 were deployed to the National Grasslands in eastern Colorado, Kansas, and Oklahoma for severity response.
- DFD members filled 90% of the Colorado Air Tanker Base staffing for both JEFFCO and Colorado Springs in 2022. Members were also deployed to base assignments in Washington and Idaho.
- The 11-person Suppression Module was deployed 2 times to CO and WY.







EMS QA/QI

EMS

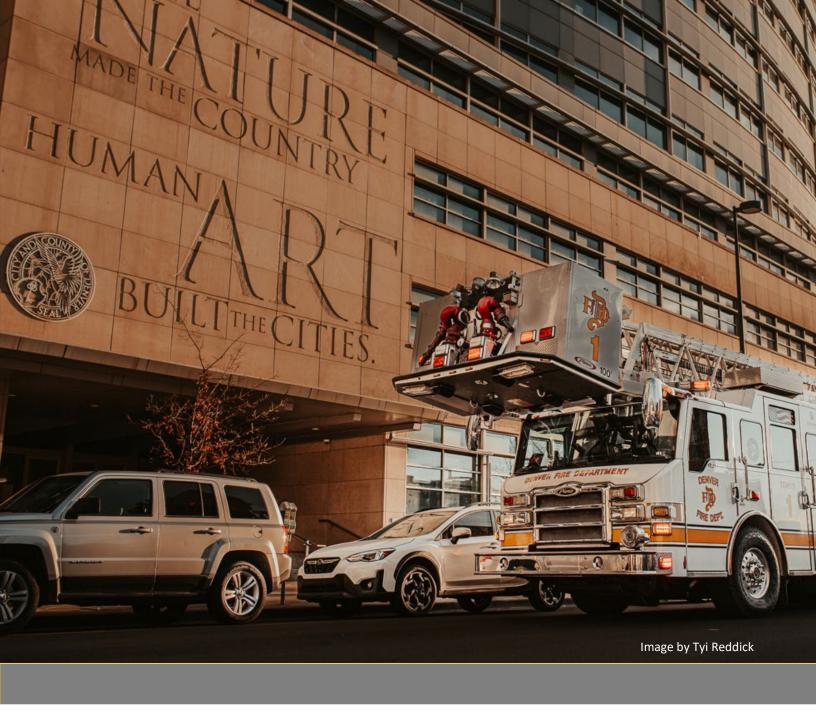
With the changes to the Denver Fire/Denver Health contract late last year, work is continuing regarding the Department's EMS expansion. The first phase involved a scope of practice expansion to allow Denver Firefighters to practice as a full-scope EMT-Basic. This included several protocol changes with the largest being the IV/IO approval. Several refresher and initial courses were offered beginning last summer and ended in December of last year. The Department has approximately 160 members that have been approved to administer IV therapy. The Department will offer more training opportunities soon.

The next phase of expansion has begun with the integration of a Denver Fire EMS education team. The addition of an EMS Lieutenant, three Paramedic trainers, and an additional QA/QI position have been hired to support the buildout and delivery of EMS education to the Department. The team is working with the interim Medical Director to apply for and receive the proper State of Colorado credentials to become a recognized EMS education center. The team has been tasked with providing a more robust and applicable EMS training model to the Department, with an increase in QA/QI oversight to ensure the highest level of EMS delivery to our citizens.

Finally, applications and the first rounds of interviews are being conducted for the Department's Medical Director. This position is slated to be filled sometime in late Quarter 1/early Quarter 2 of this year. Once filled, the Department administration and the Medical Director will evaluate and determine best practices of operational delivery, more quality oversight, and more direct involvement with the Medical Director and the membership.







DENVER FIRE EVENTS

EVENTS

Credit 5280

JANUARY 12 Denver Hell Night Class 21-01



The Denver Fire Department held their annual Hell Night for the Recruit Class 21-01 on January 12, 2022 at the Denver Fire Training Center. The 22 new recruits trained by responding to back-to-back mock scenarios through the day and into the night including several scenarios with structure fires, car fires, accidents, extractions, trapped victims, confined space rescues, and more. The academy started September 13th, 2021 and the class graduated on January 14th, 2022 at the Class 21-01 Academy Graduation Continuation Ceremony at the King Center Concert Hall at the Auraria Campus.





Denver Fire Class 21-01 Graduation Ceremony



Denver Fire Department held their Class 21-01 Academy Graduation Continuation Ceremony on January 14, 2022, at the King Center Concert Hall at the Auraria Campus in Denver. 28 new recruits graduated after 18 weeks of classes and hands-on training. Their class slogan was: "Leave No Meat on the Bone". The 22 new Denver Firefighters were pinned with their badges by family and friends and then took the oath of office by the Honorable Judge Nicole Rodarte. Chief of the Department Desmond Fulton and other dignitaries spoke to the new Fire Fighters and their families.





Denver Marade

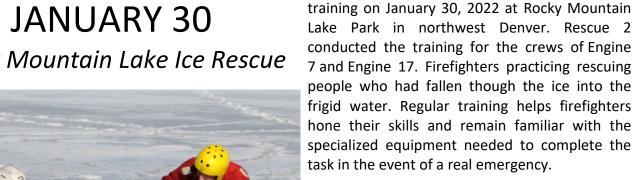


After a year hiatus due to the COVID-19 pandemic, the Denver Marade took to the streets of the Mile High City with a vengeance on January 17, 2022. Thousands of people assembled in City Park to honor the life and legacy of Dr. Martin Luther King, Jr. After several speeches and a wreath laying ceremony at the MLK statute in City Park, the mass made their way down Colfax Ave. for a livelier celebration in Civic Center Park. Denver's first responders including deputy sheriffs, firefighters, paramedics, park rangers and police officers that were at the event.





Rocky Mountain Lake Ice Rescue







The Denver Fire Department held ice rescue

Washington Park Ice Diving Training



The Denver Fire Department conducted ice diving training at Washington Park on January 30, 2022. The Water Rescue team took to the frigid water to hone their skills rescuing and recovering persons and property under the ice. The DFD Water Rescue team is crossed staff by the crew of Engine 1 and housed at Station 1, 745 Colfax Ave. The Water Rescue rig is a 1991 Spartan Gladiator / SVI walk-in rescue that previously served as an emergency communication unit for the Colorado State Patrol.





MARCH 06

Denver Polar Plunge



The Denver Polar Plunge was held on March 6, 2022, at Washington Park in Denver. The community with first responders came to brave the cold and snow to plunge in the pool to help raise money for the Special Olympics Colorado. Denver Fire Department Dive Team was also on hand. Stadium Medical, Colorado State Patrol and Denver Police Department also attended the event.





MARCH 12

St. Patrick's Day Parade



After a two-year hiatus due to COVID-19, the Denver Saint Patrick's Day Parade returned to the Mile High city on March 12, 2022, in full splendor. Thousands of spectators donned their green garb and made their way to LoDo to watch the parade wind its way through the streets around Coors Field. First responders from Aurora Fire Department, Aurora Police Department, Colorado Emerald Society, Colorado Rangers, Colorado State Patrol, Denver Fire Department, Denver Health Paramedics, Denver Police Department, Denver Sheriff, El Paso County Search and Rescue and West Metro Fire Rescue either participated in the parade or assisted with the event.



APRIL 18

Denver Truck 35 Opening Ceremony



Denver Fire Department's Truck 35 is now officially in service! Airport and city officials attended brief ceremony at Denver International Airport Station 35 on April 18, 2022. After remarks from Chief Desmond Fulton and other dignitaries, a ribbon cutting ceremony was held and Truck 35 was pulled out onto the apron and put through its paces. The addition of Truck 35 at DIA will improve response times along Pena Boulevard, the airport's south cargo campus, the Jeppesen Terminal and the Westin Hotel. Station 35, located at 25365 E. 75th Ave. is now a two-company station housing Engine 35, Truck 35, Mini 35, the Dangerous Goods Response Team and a snowcat. Officials from the Denver Fire Department, Denver Health Paramedics, Denver International Airport, Denver Police Department and the Denver Sheriff's Department attended the



MAY 07

Colorado Fallen Firefighters Memorial



The

Colorado Fallen

Foundation Remembrance Ceremony

returned after two years on May 7,

Firefighters

MAY 25

Fire Rescue Dogs Calendar Shoot



The Fire Rescue Dogs Calendar held a 2023 calendar shoot at Thornton Fire Station 1, 2300 Thornton Parkway, on May 25, 2022. Six firefighters and a dozen precious puppies were poised, posed, and put through their paces in front of the calendar's camera. Proceeds from the calendar benefit Lifeline Puppy Rescue, a 501(c)3 non-profit, who save over 1,800 puppies a year from high-kill shelters. Firefighters from Brighton, Denver, Hygiene, Strasburg, and Thornton participated the in shoot. Please visit <u>www.firerescuedogs.com</u> for more information.





JUNE 30 Denver Hell Night Class 22-01



The Denver Fire Department held their annual "Hell Night" for the Recruit Class 22-01 on June 30, 2022 at the Denver Fire Training Center. The 31 new recruits from the class participated with DFD training staff, station personnel, drone unit, and Denver Paramedics. The day and evening were divided into two groups due to the size of the class, staffing 3 engines and 3 trucks. The class responded to over 50 simulated incidents ranging from medicals, accidents with entrapment, vehicles fires, low angle rescue and structural fires. The class will graduate on July 8, 2022.



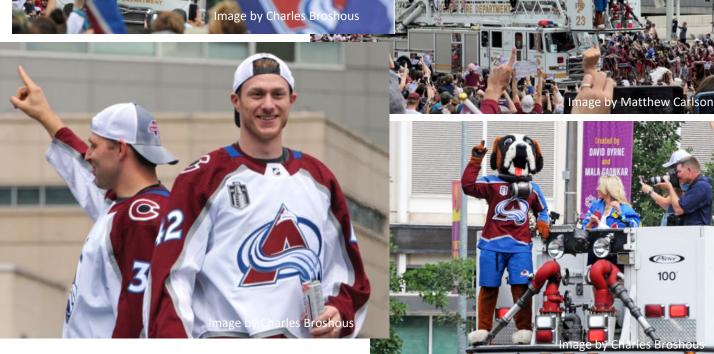


JUNE 30

Colorado Avalanche Victory Parade



The City of Denver hosted a victory parade for the 2022 Stanley Cup Champions, the Colorado Avalanche on June 30th, 2022. The parade started at Union Station and then made its way down 17th and Broadway to Civic Center Park. Players, coaches, staff, and family members rode in the parade atop fire apparatus from numerous front range departments. Approximately 500,000 people came out for the parade and subsequent celebration in front of the Denver City and County Building.





Credit 5280

JULY 08

Denver Fire Class 22-01 Graduation Ceremony

Denver Fire Department held their Class 22-01 Academy Graduation on July 8, 2022, at the King Center Concert Hall at the Auraria Campus in Denver. The new 31 Denver Firefighters were pinned with their badges by family and friends



EVENTS Credit 5280

JULY 21

Denver Trench Rescue Training

Denver Fire Department Trench Rescue Practical Hands-on Class was conducted on Denver Water property near DIA on July 21, 2022. A two-week class that had 20 students, and lead by a group of Denver Fire Instructors with assistance from Denver Water Department. Three different size trenches were dug and students practice shoring the excavation and later with a simulated rescue was conducted.



Colorado 9/11 Stair Climb Red Rocks



Over 2600 participants turned out for the 9/11 Stair Climb at the Red Rock Amphitheater on September 11, 2022. Hundreds of firefighters, emergency medical technicians, paramedics, police officers, rangers, sheriff's deputies, military members, friends, and family came out to remember those lost on the 21st anniversary of the terrorist attacks on New York City and Washington, DC. Each participant paid tribute to a FDNY firefighter by climbing the equivalent of the 110 stories of the World Trade Center. The climb benefits the FDNY Counseling Services Unit, and the programs provided by the National Fallen Firefighters Foundation to support their families. The event raised over \$106,000.







Climb

was

The annual Denver 9/11 Memorial Stair

on

September

11,

held

IAFF Fallen Firefighter Memorial



Thousands of families, friends, loved ones, and firefighters from all across the country including Canada honored the fallen that gave their lives in the line of duty on September 17, 2022, at Memorial Park in Colorado Springs. This year was the 36th annual International Association of Firefighters (IAFF) Fallen Fire Fighter Memorial after a two-year hiatus. 469 names were added to the Wall of Honor this year. The previous years of 2020 and 2021 were canceled and names were submitted between January 1, 2019, and December 31, 2020, to this memorial.



Firefighter Chili Cook-Off

Cook-Off in McGregor Square in Lower Downtown Denver on September 30, 2022. Firefighters from all over the front range competed against each other for the best firefighter chili in Colorado.

Denver Firefighters Local 858 hosted the 33rd annual Denver Firefighter Chili



OCTOBER 01

Denver Station 21 Pancake Breakfast



The Denver Fire Department Station 21 held their pancake breakfast and open house on October 01, 2022. The community came out to a pancake breakfast, toured fire trucks, rode the antique fire truck, met with the firefighters, and more.



OCTOBER 09

National Fallen Firefighters Memorial Service



The United States Congress created the National Fallen Firefighters Foundation (NFF) in 1992 to lead a nationwide effort to honor the memories of all U.S. firefighters who died in the line of duty and to provide support to their loves ones. As part of this mission, each October the Foundation hosts the National Fallen Firefighters Memorial Weekend in Emmitsburg, Maryland. We offer activities throughout the weekend so that the families of the fallen will find reassurance that their loved ones will not be forgotten, and they have a place to find comfort and compassion.

Beyond the National Fallen Firefighters Memorial Weekend, the Foundation helps families with similar experiences and interests find each other through the Fire Hero Family network. We provide scholarships for spouses and children, and have a variety of conferences, events, and workshops for parents, spouses, life partners, children, stepchildren, and siblings. Some of these events are held in-person in locations across the countries; others are available on a regular basis online. We encourage all of our Fire Hero Families to engage with us—you will find many ways to connect with other families and with the Foundation by visiting our website at firehero.org. We are here for you.

OCTOBER 09

National Fallen Firefighters Memorial Service



Jeffrey J. Billingsley

Denver Fire Department ★ Career Technician ★ September 20, 2021 ★ Age 42

How many people do you know that from an early age knew what they wanted to be when they grew up and then actually did it? Jeff Billingsley is one such person.

Jeff was born on September 14, 1979, in Omaha, Nebraska. At age four, Jeff's uncle, the Chief with the Ralston Volunteer Fire Department, let him sit in a fire truck for the first time. Jeff was elated. From that moment on, he was certain that he would be a fireman.



Growing up, Jeff went through Boy Scouts and achieved the rank of Eagle Scout. He loved the outdoors, camping, and hiking.

In 1998, while a senior in high school, Jeff joined the Lewis Township Volunteer Fire Department in Council Bluffs, Iowa, and began his firefighter career. Jeff completed his EMT training in December 1998. He attended Iowa Western Community College and earned an associate degree in business administration in May 2001. He was certified as Fire Fighter I in July 2001.



OCTOBER 09

National Fallen Firefighters Memorial Service



Jeffrey J. Billingsley

Denver Fire Department \bigstar Career Technician \bigstar September 20, 2021 \bigstar Age 42

In the fall of 2001 Jeff was hired with the Denver Fire Department. He fell in love with Denver and all it had to offer. Colorado became his home. In April 2003 he was certified as a firefighter II.

February 2005 he completed the Emergency Responder HAZMAT Technician Course. In June 2005 Jeff was certified as a Fire Instructor I and in July 2005 he was approved for Technician status.

Jeff flourished in the relationships he made, the skills he learned, and the hobbies he took on. When something interested Jeff he found a way to learn about it. Mostly self-taught, he loved working with wood, tinkering with his Toyota Land Cruiser, and leather crafting. Music became a big part of Jeff's life after he moved to Colorado. He loved a wide variety of musical genres and attending concerts. Jeff became a drummer with the Local 858 Denver Fire Fighters Pipes and Drums and the Colorado Emerald Society. He was ecstatic to have performed at Red Rocks.







OCTOBER 09

National Fallen Firefighters Memorial Service



Jeffrey J. Billingsley

Denver Fire Department ★ Career Technician ★ September 20, 2021 ★ Age 42

Jeff met his soulmate, Lindsey Foster, in 2020. They hunkered down during the height of the COVID pandemic and quietly made plans for a life together. They had dreams of traveling, buying land, and caring for Jeff's dogs, Barnes and Murphy. Tragically these plans never came to be. Jeff died from an aortic aneurism while on duty six days after his 42nd birthday.

Jeff is survived by his soulmate, Lindsey Foster; his parents, John and Margaret Billingsley; sister, Lisa Scheve (husband, Joe, and son, Henry); and brother, Matt (wife, April, and daughter, Layni). He is loved and greatly missed.

Denver Fire Department took a young man from a small town and developed him into the professional firefighter who is being honored here today.









OCTOBER 15

Denver Station 37 Pancake Breakfast

The Denver Fire Department Station 37 held their pancake breakfast and open house on October 15, 2022. The community came out to a pancake breakfast, ride in the tower, meet with the firefighters, tour the station and more.



NOVEMBER 10

Denver Drill Day



Recruits from the Denver Fire Department spent part of their afternoon on November 10, 2022, running through drills at the Fire Training Center on

Roslyn St. The recruits practiced maneuvering hose

DECEMBER 09

Denver Hell Night Class 22-02



The Denver Fire Department held their annual "Hell Night" for the latest recruit class 22-02 on December 9, 2022 at the Denver Fire Training

Center. From start to finish, between two sessions, recruits responded to nearly 100 scenarios. These



Credit 5280

DECEMBER 16

Denver Fire Class 22-02 Graduation Ceremony





Denver Fire Department held their Class 22-02 Academy Graduation on December 16, 2022, at the King Center Concert Hall at the Auraria Campus in Denver. The ceremony was started off by the Denver Firefighters Pipes, and the presentation of Colors by Denver Fire Department Honor Guard and followed by the National Anthem. The invocation was by Chaplain Ron Biegler, then by the Master of Ceremonies Warren Mitchell, Division Chief Safety & Training and then followed by guest speakers Armando Saldate, Executive Director of Safety and Fire Chief Desmond Fulton before the presentation of the Badges when the Denver Firefighters were pinned with their badges by family and friends.







DECEMBER 17

Denver Christmas Toy Drive



Fire



On



Credit 5280

ANUARY



January 17, 2022 AT 10:39 the Denver Fire Department was dispatched to a reported commercial structure fire in the 700 block of S. Santa Fe Drive. Engine 8 arrived on scene of a multi-story building under construction and found a small fire on the rear of the structure adjacent to the alley. Firefighters were able to extinguish the fire quickly and spent about thirty minutes checking for extension and hot spots. No injuries were reported.



FEBRUARY



February 21, 2022 at 16:18 the Denver Fire Department was dispatched to a reported structure fire at Packaging Corporation of America, 13400 E. 39th Ave. Firefighters arrived on scene and found fire on the roof of the building. Crews were able to extinguish the fire, in frigid temperatures, using an aerial ladder and running a hose line up to the roof. No injuries were reported.



Credit 5280

MARCH



March 6, 2022 at 07:27 the Denver Fire Department responded to a residential structure fire in the 4200 block of Sherman St. in Globeville. Engine 9 and Tower 9 arrived at a two-story residential dwelling with heavy fire showing and started fire attack and the primary search. Crews worked heavy defensive fire conditions before getting the fire under control. The cause of the fire is under investigation and there were no injuries.



APRIL



April 19, 2022 at 10:31 the Denver Fire Department responded to a structure fire in the 4500 block of Tennyson St. in Berkeley. Engine 17 arrived with heavy fire and smoke showing, laid in and began defensive operations. Truck 12 started roof tops and Engine 12 pulled a line from Engine 17 for fire attack. Chief 6 arrived and assumed command and a 2nd alarm was requested. Crews got the fire under control and started an extended overhaul. The next-door exposures were undamaged. No injuries were reported, and the fire is under investigation.

Credit 5280

MAY



May 17, 2022 around 12:20 Denver Fire Department was alerted to a possible single-family structure fire at N. Sheridan Blvd. and W. Annie Place. Denver 911 Communications Center received several 911 calls reporting multiple houses on fire. Crews arrived at an outside fire that extended into a detached garage and the main structure and started fire attack. Northbound Sheridan Blvd. was shut during fire operations. The fire was put out quickly and the cause and origin is under investigation





June 3, 2022 at 03:42 the Denver Fire
Department Engine 3 responded to an outside
smoke investigation in the area of 22nd St. &
Lawrence St. Engine 3 arrived in the area to find to
a working vacant building on fire and was upgraded
to a commercial structure fire in the 2200 block of
Arapahoe St. Engine 3 started fire attack in the
defensive strategy and requested additional engine
and tower to the scene. Several master streams
were deployed, and a 2nd alarm was requested
with heavy fire and partial collapses. Crews worked
several hours before the fire was put under control.
The fire was in the former Tony Capra Plumbing &
Heating building. No injuries were reported, and
the fire is under investigation.

Credit 5280



July 3, 2022 at 12:20 the Denver Fire Department responded to a house fire at 3725 N. Franklin St. in Cole. During the firefighting efforts one firefighter from Rescue 2 received minor injuries after a partial collapse in the interior. No other injuries reported, and the fire cause is under investigation. Additional information provided by Denver Fire







August 15, 2022 at 01:17 the Denver Fire Department responded to a reported residential structure fire in the area of West Vassar Ave. & S. Federal Blvd. Crews arrived to a structure fire in a large building under construction with heavy fire showing and a 2nd alarm was requested. One firefighter was transported to a local hospital with minor injuries.



Credit 5280

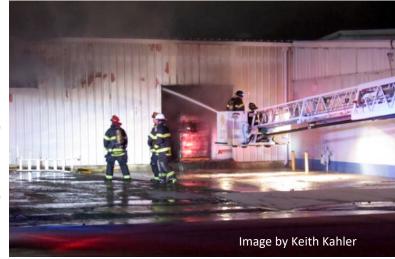
EPTEMBER



September 5, 2022 at 20:27 the Denver Fire Department responded to a reported multifamily structure fire in the 1160 block of S. Oneida Way in the Washington Virginia Vale neighborhood. Crews arrived at a heavy fire showing from the 2nd-floor apartment balcony on the exterior. A small amount of fire extended to the attic space but was quickly controlled by fire crews. Firefighters rescued one family cat from the building. No injuries were reported, and the cause is under investigation



OCTOBER



October 9, 2022 at 20:02 Denver Fire Department responded to a reported commercial structure fire at W. 9th Ave. and Decatur St. in Sun Valley. Crews arrived at a large warehouse on fire on W. Barberry Place off of Decatur St. and immediately Chief 6 upgraded the call to a 2nd alarm response. Crews confined the fire to the original fire building. No injuries were reported, and the cause of the fire is under investigation



Credit 5280

NOVEMBER



November 4, 2022 at 18:18 Denver Fire Department responded to the area of W. 45th Ave & Sheridan Blvd on a reported structure fire. Engine 17 arrived and found a detached garage fire and impinging on other structures. Crews laddered the Circle K gas station on Sheridan Blvd. which was behind the fire in the alley and checked for extension. Crews were able to get the fire under control quickly and no injuries were reported. The fire cause is unknown and under investigation.



DECEMBER



December 3, 2022 at around 17:14 the Denver Fire Department responded to a multi-family structure fire in the 1500 Block of E. 37th Ave. Crews arrived to fire showing from a two-story structure and started fire attack and search. The two children were rescued from the second-floor window via ground ladder. One civilian was transported to a local hospital with minor injuries. The cause is under investigation.





DIVISION UPDATES



1 - OPERATIONS DIVISION

High-rise training is in full swing and will be delivered to nearly every member of Operations. The Standard Operating Guideline has been completely revamped with tons of new content and direction for our members to digest before their next high-rise incident. Much of the content has been garnered from discussions and training sessions with our technicians and Fire Protection Engineers in the Fire Prevention Division. It is highly recommended that every operations member take time out of their day to peruse the high-rise documents located in Vector Solutions. District Chiefs and Company Officers are encouraged to review this updated policy with their members and develop strategies for a successful high-rise incident.

The job-wide training campaign began with many in-person meetings with our Chief Officers over the course of two weeks. Many structural changes to the policy came out of these meetings, along with a solid footing to move forward to the Company Officer group. Under the instruction of Shift Commanders Michael Shepherd and Chad Cranmer, a classroom/hands-on high-rise class with fireground communications was taught to our officers, which include all of the required SOG changes. The communications segment of the class was a direct reflection and ask from the District Chiefs prior to teaching the class.

Incident communication will be a key topic for training in 2023. Sharpening these skills will assist us as we work on improving safety and efficiency on the fireground.

The last phase of the training will take place in one of our many acquired structures, the old COSH medical building, located at 605 Bannock Street. This portion of the training will complete the loop of high-rise training from our Chief Officers to our Firefighters at the street level. Multi-company evolutions will be taught and reinforced with every member leaving with a basic understanding of their roles and responsibilities at a high-rise incident.

Special Operations

Securing the Cities Grant

The 4th Quarter of the Securing the Cities Grant shifted from program policies and procedures to equipment procurement and training. The program provided five Primary Screener sessions with 50 students per class from Denver Fire, Denver Police, Denver Paramedics, Denver Environmental Health, and the Colorado State Patrol. Denver Fire trained 110 Chiefs and Officers. The Department has received its assigned Personal Radiation Devices (PRDs), but the charging bases were delayed. This caused us to postpone deployment until the 1st Quarter of 2023. The program will offer six weeks of additional Primary Screener courses in the 1st and 2nd Quarters of 2023. There will also be two Secondary Screener Courses in the 2nd Quarter.



1 – OPERATIONS DIVISION

Office of Emergency Management - Pioneer Shield

The Denver Fire Department participated in a full-scale tabletop exercise testing the City's response to a chemical release with a mass casualty component where all City Agencies were involved. Special Operations was tasked with developing the incident and providing subject matter expertise during the exercises. Denver Fire performed very well, and OEM was very thankful for all of the participants from the Department.

Special Operations Outreach

The Better Halves of the DFD and Local 858 presented the Annual Children's Hospital Toy Drive. Rescue 2 was asked to assist by providing Santa, his Elf, and the Grinch to repel down the building waving to kids on each floor. Members performed multiple repels, bringing smiles to everyone in the entire Hospital. This event was a huge success and paved the way for future events.





2 – FIRE PREVENTION DIVISION

Migrant Sheltering

The Division continues to work with city partners to streamline the process to find safe housing for incoming migrants. We have been able to utilize procedures implemented by cold weather protocols to proactively assist city partners. We will continue to work with city agencies to streamline the process to help effectively.

2022 Code Cycle Review

Code presentation has been approved through LUTI and City Council. It is currently being prepared for City adoption.

Denver International Airport

Renovations and expansion continue at the airport. All areas of both A-West and B-East concourses have received a Temporary Certificate of Occupancy (TCO) and are progressing as schedule.

Encampments, RV Assessments, and Sheltering

The outreach team continues to assist agencies with analysis, outreach, and removal of dangerous and unsafe large vehicles throughout the city. The program has streamlined communication and procedures to work effectively in assisting all stakeholders.

Special Events

Last quarter, this team focused on ensuring our city partners and citizens had access to a streamlined process when applying for special event permits. The group's priority of centering common-sense permit application and safety education has been very well received. The Holiday season was very busy, and our city partners appreciated the changes made by the group.



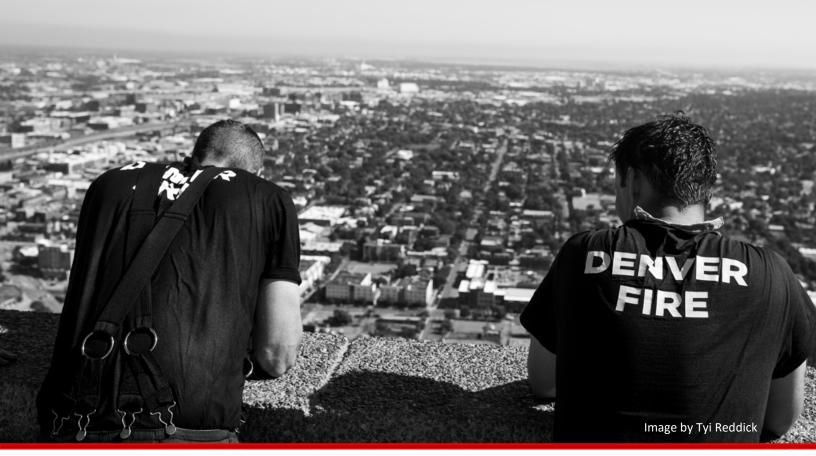
2 – FIRE PREVENTION DIVISION

Food Trucks

The Division is continuing to implement significant program improvements. The goal is to ensure program accessibility and education. In 2023, Food Truck applicants will see a streamlined process that focuses on common-sense application processes, which include including clearer communication and education encompassing safety practices.

Marijuana

This quarter, the Marijuana Group has taken steps with city partners to improve the equity process. They continue to work with partners to formulate a step-by-step process for improved communication. The group is also preparing a symposium to educate those wanting to learn about the marijuana industry and fire processes within the city.





3 – TECHNICAL SERVICES DIVISION

Phillip Morelli was promoted to Division Chief of the Technical Services Division. Mark Takitani has been promoted to Assistant Master Mechanic. Assistant Chief Jeremy Raskin has been serving on multiple groups to support OEM, EOC/EDOS, and STC as our Department Liaison to assist with city initiatives like Migrant and Asylum Seeker Support. The Division is looking forward to supporting DFD expansion projects like the FS40 build out and EMS expansion.

Facilities Maintenance

We hired our new Facility Maintenance Technician, Miguel Ramirez. Facilities Team is adapting to a new ticketing system that was built in-house by the Lineshop. The ticketing system provides clarity on issues, tracking, and accountability for Stations.

FIT and Bond Projects are moving forward, but most continue to encounter delays when it comes to receiving materials and increased pricing.

Warehouse

As 2022 came to an end, we focused on bunking gear, academy needs, and R&D. The team is looking forward to budgets opening back up in Q1 of 2023.

Dispatch

Dispatchers encountered a record number of calls on Christmas Eve totaling 809 calls. There are ongoing CAD updates to help improve response the matrix, dispatching protocols, and expanded collaborations with DEN and neighboring jurisdictions.



3 – TECHNICAL SERVICES DIVISION

Lineshop

The team continues to work TS to document and hold DFD systems to the same standards for reliability and sustainability as Denver's TS. The final FAA Certificate of Authorization Waiver has been approved for the Done Program. With this final approval, the Drone Unit can respond to most of our neighboring entities for mutual aid including at DEN in all B, C, and D airspace under 400 feet. Received approval to begin replacing MDTs with iPads.

Fleet

The Repair Shop brought on 3 new Mechanics. Stephen Ouillber started on 11/21/2022. Zachary Davis and Joseph Kubec started on 1/3/2023. Pierce has reported that we will receive our 2021 and 2022 rig purchases in Q1 of 2024.





Division Chief

The Division Chief continues to work with and act as liaison with the Denver Civil Service Commission. We assisted the commission in starting the testing process for Lieutenant and Engineer. Working with Risk Management and our Local 858, we completed the update on the Cancer Resource Guidebook. We also worked with Risk Management to conduct training classes job wide on workers comp issues as well as cancer claims. With the assistance of the Safety HR EEO team, we also organized Respect in the Workplace training for everyone. We also continue to update department directives monthly.

Administration/H.R.

173 Transfers, 10 promotions, and 6 retirements processed during the third quarter.

Reports/Requests Received/Processed: HR tracks and reassigns those on Military leave, injured LOD, NLOD or on FMLA. The following reports are filed in the members appropriate files: Ouch lines, return to work passes, FMLA approvals, Military orders, and General Admission of Liability. Leave reports were sent out daily and weekly. So far, over 1758 reports/emails have been received, approximately 300 requests were processed for Administrative and other leave. The hours taken thus far for FMLA are 4,421 for Military; 1,548 hours and 1,974.50 hours for funeral leave. Funeral cards are sent weekly after Command Staff signs them. The Lieutenant keeps inventory of badges and service pins.

The Admin team meets with the Workers Comp team quarterly to discuss cases of concerns. HR receives notices of Admission of Liability and; Notice of Contest, which are placed in member's files. There were 43 Workers Comp Claims totaling \$26,831.19. This included 1,573 hours for Workers' Comp and 1,467.75 hours for LOD.

Outreach Program

The DFD Administration plans and participates in Aloha Send-Off Retirement Ceremonies for retirees. This quarter we celebrated Division Chief Tony Martin. In coordination with the Operations Division, Outreach helped coordinate multiple city functions. Some of our events included: Pancake Breakfasts at Stations 21, 37, and 6, Food Bank of the Rockies mobile food pantries, Denver Firefighters and the Better Halves Toy Drive.



Outreach Program

Our Public Information Officer (PIO) presented DFD updates monthly at Councilwoman Sawyer's monthly RNO Leadership meetings. In October, our PIO presented on wildfire safety precautions. We are always looking for opportunities with the communities we serve. In mid-December, we hired Chy Montoya as our new Outreach Program Manager and Legislative Liaison.

PIO

Our PIO has planned, coordinated, and facilitated numerous interviews with multiple news agencies on various topics. Some of the areas covered include: Fire Prevention, Firefighter Safety related to auto accidents, freezing weather, as well as many accidents, including one involving a Lamborghini. There have also been multiple media inquiries and press release due to firefighter discipline and terminations. Our PIO continues to increase our presence on social media, using several platforms. This has helped us to highlight the amazing work that is being done every day by the men and women of the DFD.

 122 Facebook Posts (Many posts were shared on multiple platforms ● 78 Instagram Posts ● 64
 Twitter Posts



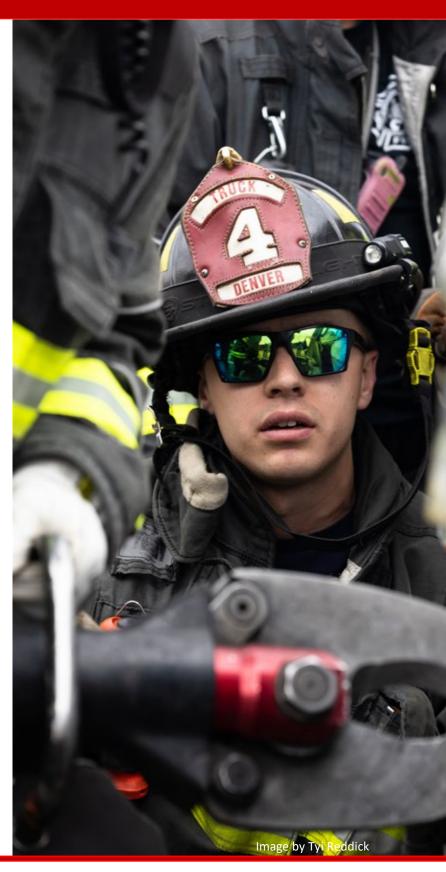


Trends:

- As of October 1, our Facebook reach climbed to 248.6 K, which is up 230% and we had 29.1K page visits which is up 5.8%, along with 433 new likes
- Our story about the Lamborghini Crash had the biggest reach, which was 175,273.
- Our Instagram reach is at 22.7k which was up 23.7%, we had 5.2K profile visits which is up 16.9% and we added 470 new followers
- Our Lateral Academy Reel reached the most people reaching 6,006 people

Recruiting

Ongoing programs include CPAT fitness, Pre-Academy fitness, and candidate preparation. Our EMT application opened in October, and we are in the process of hiring of a 3rd MED Unit. We also opened Lateral Application 23-2. Civil Service and Recruiting have collaborated to ensure that the lateral process is equitable and multiple candidates are given the opportunity to apply and given time to submit documentation showing they meet the basic qualifications. The District Cadet position has been very successful and continues to grow and improve.





Recruiting

Recruiting continues to work hard on preparing our candidates to be the best recruits and firefighters. One of our cadets was given the opportunity to stay in the firehouse for one 24-hour shift, which was a huge learning experience. Recruiting also supervises the CAP program.

Fire Investigation Unit

Fire Investigators responded to 102 calls. Of these calls, 30 of them were homeless/transient related. They also cleared 288 cases. Investigators also made 16 arrests. Overall, they dedicated 2005 hours on their cases. Currently they have one member in the police academy with the anticipated graduation date of late March 2023.

Accelerant Detection Canine Handler

Accelerant Detection Canine Peaches and her new partner, Investigator Don Patterson, graduated the ATF Canine school and are fully operational as the DFD's new Accelerant Detection Canine Team (ADCT). Investigator Patterson and his K9 (Peaches) have already worked a number of scenes for the Arson Unit and other metro area agencies.



Peaches working her first fire at 1500 E 37th Ave. and on-scene fire crews.



Internal Affairs

The team investigated four new cases and convened two Conduct Review Board Intake meetings. They have two pre-Disciplinary meetings pending and continue oversight of one disciplinary Stipulation and Agreement. They also received two complaints that were investigated for EEO violations and one Commercial DL members' test results to be entered into the National Drug and Alcohol Clearinghouse database. The team continues to review and update the Discipline Handbook, Penalty Table and Rules and Regulations; alongside with inputting cases into IAPro. They also continue to collaborate with the City Attorney's and Executive Director of Safety's Office.

PROMOTED MEMBERS				
From Rank	To Rank	Name	Date Promoted	
Lieutenant	Captain	Bauer, William	3/5/2022	
FF1	Lieutenant	Blanchard, Austin	4/17/2022	
FF1	Engineer	Bryan Parker	8/6/2022	
Lieutenant	Captain	Burke, Lacy	5/5/2022	
FF1	Engineer	Busi, Don	5/26/2022	
Captain	Assistant Chief	Carpio, Montee	8/31/2022	
Technician	Lieutenant	Champlin, Brian	1/18/2022	
Lieutenant	Captain	Chism, John	8/31/2022	
Captain	Assistant Chief	Cranmer, Chad	3/5/2022	
Assistant Chief	Shift Commander	Cranmer, Chad	10/15/2022	
FF1	Engineer	Davis, Russell	2/20/2022	
Engineer	Lieutenant	Drumgo, Ashaun	7/16/2022	
Captain	Assistant Chief	Feran, Sean	10/15/2022	
Technician	Lieutenant	Garcia, Ryan	10/2/2022	
FF1	Engineer	Gorman, Richard	5/26/2022	
Lieutenant	Captain	Grover, Benjamin	7/16/2022	
Lieutenant	Captain	Hachenberger, Daniel	10/15/2022	

PROMOTED MEMBERS						
From Rank	To Rank	Name	Date Promoted			
Technician	Engineer	Hanson, Trevor	5/26/2022			
FF1	Engineer	Harris, Christopher G.	5/26/2022			
FF1	Lieutenant	Hartman, Tyler	6/21/2022			
FF1	Engineer	Higgenbotham, Elaine	7/16/2022			
FF1	Lieutenant	Houseal, Patrick	6/20/2022			
Lieutenant	Captain	James, Christopher	6/25/2022			
FF1	Lieutenant	Jones, Matthew	11/27/2022			
Mas	Lieutenant	Kerler, Jesse	8/31/2022			
Engineer	Lieutenant	Martinez, Fernando	9/17/2022			
FF1	Lieutenant	Martinez, Nicholas	3/5/2022			
Technician	Lieutenant	Martinez, Thomas	4/17/2022			
Shift Commander	Division Chief	Morelli, Phillip	10/15/2022			
FF1	Lieutenant	Nieto, Wesley	12/1/2022			
Captain	Assistant Chief	Odendahl, Josh	9/17/2022			
Captain	Assistant Chief	Pixley, Gregory	6/25/2022			
FF1	Lieutenant	Poveda, Michael	7/8/2022			
Technician	Lieutenant	Raible, Andrew	10/15/2022			
Captain	Assistant Chief	Raskin, Jeremy	7/8/2022			
FF1	Lieutenant	Rivera, Adrian	4/17/2022			
FF1	Lieutenant	Rovner, Jared	6/25/2022			
FF1	Lieutenant	Shorts, Phillip	5/5/2022			
Lieutenant	Captain	Stager, Nicolas	9/17/2022			
Mechanic I	Assistant Master Mechanic	Takitani, Mark	10/14/2022			
FF1	Lieutenant	Tomko, Matthew	10/21/2022			
Lieutenant	Captain	Turner, Robbie	4/17/2022			
Lieutenant	Captain	Vigil, Juan	7/8/2022			

RETIRED MEMBERS				
Rank	Name	Years	Date Retired	
Lieutenant	Hawes, Alice "Katie"	27	1/18/2022	
FF1	Aragon, Sarah	29	6/21/2022	
Assistant Chief	Borelli, David	32	9/17/2022	
Engineer	Boyle, Michael	33	8/6/2022	
Assistant Chief	Buccieri, Scott	24	7/8/2022	
Assistant Chief	Chavez, Dale	32	6/25/2022	
FF1	Chavez, Timothy J.	36	4/18/2022	
FF1	Chavez, Timothy J.	36	4/18/2022	
FF1	Cook, Brian	19	4/30/2022	
Engineer	Elrick, Douglas	35	2/20/2022	
Technician	Florez, Jennifer	25	9/17/2022	
Lieutenant	Fournier, Kelly	24	6/20/2022	
Master Mechanic	Freix, Daniel	31	9/17/2022	
Mechanic I	Fritz, Luther	23	7/8/2022	
FF1	Grieve, Dean	40	11/3/2022	
Assistant Chief	Hamilton, Todd	36	8/31/2022	
Lieutenant	Hess, Arthur	32	11/27/2022	
FF1	Hinson, Jeffery C.	29	7/24/2022	
Mechanic I	Hogue, John	20	9/2/2022	
Captain	Holtz, Steven	22	7/16/2022	
Lieutenant	Inglee, Ken	19	10/2/2022	
Engineer	Johansen, Arthur W.	16	3/2/2022	
FF1	Luevano, Juan	43	4/20/2022	
Division Chief	Martin, Anthony	30	10/15/2022	

<u>4 – ADMINISTRATION DIVISION</u>

RETIRED MEMBERS					
Rank	Name	Years	Date Retired		
FF1	McDonald, Richard	31	2/20/2022		
Technician	Renter, Scott	28	7/31/2022		
Technician	Rudolph, Mark	29	6/27/2022		
Engineer	Sheehan, Gregory	32	4/18/2022		
Engineer	Smith, Steven	17	10/23/2022		
Lieutenant	Thompson, James	30	6/21/2022		
Technician	Trujillo, Toby	19	11/7/2022		
Mechanic I	Warren, Bart	24	1/19/2022		
Technician	Watson, Robert "Mark"	30	3/5/2022		
Captain	Weber, Ronald T.	29	5/5/2022		

<u>5 – SAFETY AND TRAINING DIVISION</u>

Academy Classes

Both Training and Operations have had a busy couple of years with probationaries. Once Class 23-01graduates, we will have 87 probationaries on the streets. The past and present cadre have worked tirelessly to migrate NFPA Firefighter 1 and 2 Colorado Metropolitan Certification Board (CMCB) job sheets to DFD standards and curriculum. In the Academy the recruits are training for the job, not the test. The curriculum is drill ground focused, placing higher individual demands on preparation for the written test. Even with the increased level 2 certification, the advancements in teaching processes, and the high dedication of the new hires, probation is a continued path to competency. The role of Operations is very important and from our assessment, highly effective. Each rotation requires full completion of assigned JPRS. The officers and companies have delivered on this expectation while managing all other demands. Recruits have provided positive feedback on receiving quality training in a supportive environment.

- Class 22-02 graduated 29 firefighters on December 16, 2022
- Class 23-01 currently has 28 recruits with a graduation date of May 12, 2023
- Class 23-02 of 18 lateral recruits with a graduation date of August 11, 2023
- Class 23-03 of 24 recruits with a graduation date of December 29, 2023



5 – SAFETY AND TRAINING DIVISION

Incumbent

Three Engineer Academies have been completed with 72 graduates. We are beginning to see some of our first graduates complete the CMCB certification process by passing the written exam successfully. A retrospective of each Academy has been published and both the instructors and students feedback confirm the high value of the course. Our ultimate vision is the Engineer Academy and CMCB Aerial and Pumper certification be required and financially supported for every new class moving forward. Many seasoned firefighters also are dedicated to advancing their skills and we will continue to do our best in delivering additional classes for first grade firefighters.

The Incumbent Team, Captain Buhler and a host of dedicated supporting staff from Operations, have delivered on many objectives this last quarter. In addition to the Engineer Academies; the team has supported or delivered a number of other trainings. Job wide company officer class focused on phase 1 of the new High-Rise SOG training. Phase two with all companies is currently underway at the Bannock acquired structure. The Acquired Structures program continues to provide great opportunities for real world training. An Incident

Safety Officer curriculum was developed and delivered to all assistant chiefs who did not possess prior certification. Curriculum has also been developed and submitted to ProBoard for approval for Live Fire Instructor and Live Fire Instructor in Charge. Once this is approved all academy staff and assistant chiefs will receive the certification course. Numerous "open gyms" hydraulic and drill classes have been held. Certification practice testing sessions are held weekly and are expanding to include test banks for Fire Officer 1, Fire Instructor 1, and Driver Operator. CMCB Fire Officer 1 and Instructor 1 were also delivered. FIRE delivered a RIT class. The Chop Shop team provided a DFD Train the Trainer in-service to all truck companies. Denver will not host the regional Chop Shop course this year.



Unfortunately, this course funded the extra cars and staffing for the DFD in-service. Chief Well's team and Training will re-group and look for ways to sustain the progress the program made. I know there many other areas that remain. We will continue doing are best in delivering more frequent, meaningful training.



<u>6 – AIRPORT/DEN DIVISION</u>

ARFF TRAINING

The Lineshop installed cameras at the ARFF Training ground. These cameras provide the ability to record during live burn scenarios for follow up training on strategy and tactics.

The footage from the new cameras will be used to critique scenarios starting with the spring 2023 live burn. The cameras are located on light poles and allow ARFF training to be able to see evolutions from an elevated position. This also gives the ability for the simulator operator to see the participants during a firefighting scenario. Driver operators will be also able to review the actions they performed during scenarios from several perspectives; allowing them to see the effectiveness of their ARFF vehicle operation. Footage from training videos will also be used for FAA and for ARFF driver/operator training.

Fueling Inspections at DEN

As part of the normal duties of the Fuel Inspector, the monitoring of all fueling functions is essential as it encompasses the procedures "from ground into plane." Fueling of aircraft at DEN is based on a daily transportation of over 1,000,000 gallons of fuel flowing through underground piping to the concourses. This covers all Jet A fuel that travels from the fuel farm, through jet fuel piping, to the fuel hydrants on the ramp. The fueling companies have fuelers called line fuelers and they are responsible for taking the fuel from the inground fuel hydrant system and refuel aircraft using refueling apparatus. In this case, refueling apparatus could be a hydrant cart, hydrant truck, or tanker. It is the sole responsibility of the DFD Fueling Inspectors to monitor these apparatuses and inspect them every 3 consecutive calendar months for the FAA. This inspection documentation is reviewed by FAA inspectors during our FAA annual inspection in August.

During Q4 of 2022, inspections were complete with less than a 25% reinspection rate. There was a steady decline in the percentage of reinspects from 50% in the second quarter of 2022 to below 25% today. This can be attributed to multiple factors:

- Quality, consistency and standard of inspections being performed by DFD Fueling Inspectors
- Improved Quality Control (QC) from the refueling companies
- Improved apparatus checks prior to being returned to service after PM or repairs



6 – AIRPORT/DEN DIVISION

Finally, the expansion of the East side of B concourse added Emergency Fuel Shut Off (EFSO) stations and fuel hydrants that have been tested, passed, and approved for use. EFSO stations also fall under DFD Fueling. DFD Fuel Inspectors closely monitor the EFSO stations, systems, and maintenance thereof. These fuel shut off buttons, once depressed, will shut off fuel to the (entire) affected concourse when activated. DFD Fueling Inspectors respond to all EFSO activations and are responsible for investigating the cause of all activations. DFD Fuel Inspectors report the results of the investigation to airside operations and the FAA. They are also responsible for the commissioning and decommissioning of the EFSO stations during construction based on fire alarm plans that are sent to contractors and to DFD Fueling Inspectors by DFD FPB FPEs. Acceptance testing of EFSOs reflects a very similar systematic approach as testing a fire alarm system. As mentioned, DFD Fueling Inspectors reported to an EFSO initial acceptance test of the system and its ability to appropriately report alarms to the communications center (comm center) and to the 24-hr monitored station at Fuel System.





<u>6 – AIRPORT/DEN DIVISION</u>

Management's (FSM's) fuel farm. DFD Fueling Inspectors coordinate the testing with DEN life safety, construction contractors, DEN QC personnel, airside operations, communication center, fueling contractors, fuel consortium, and FSM. Once a witnessed active fuel shut down is performed and the alarm is received correctly to the comm center and to FSM, airside operations is notified that the EFSO station has passed and will remain live. It is vitally important, that once it has been determined an initial acceptance test is required for the EFSO station, that the fuel shut down procedures are closely followed. DFD Fuel Inspectors collaborate with contactors to ensure completion of a functional fuel shut down test. The EFSO system is a low voltage life safety system that is monitored 24/7 and is in place to stop the flow of Jet A fuel on the ramp and surrounding areas in case of an accident. Once testing is complete, DFD Fueling Inspectors document the results of testing and what was or wasn't tested in Accela.



