



Murray City Fire Department 2017 Annual Report





Message from the Chief . . .

We hereby humbly submit to you the 2017 Annual Report of the Murray City Fire Department.

The number of calls and varied emergency response incidents is a good indication and vision of expectations placed on the fire service. Keeping up with those needs can be challenging. In the last six years, our call volume has increased by almost 2,000 calls. Approximately 80 percent of those are medical in nature, and about half result in ambulance transports. Our crews, especially our ambulances, are very busy. Finding creative ways to meet the demands is a constant challenge.

This past summer was extremely hot and dry throughout the western United States. As major fires raged across the State of California, the need for help quickly became apparent. In December, we responded to the request for assistance in fighting a wildland fire in Southern California. Our wildland unit with four Murray firefighters, along with 80 other firefighters from Utah, responded to aid in this endeavor.

As busy as we have been, it is always our pleasure to be involved in meeting the needs of our community and providing outstanding customer service to our residents. The intense passion exhibited by department personnel is impressive, as well as their level of education, work ethic, and overall commitment to their profession and community.

Again, we are grateful for the support of our elected officials.

Sincerely,
MURRAY CITY FIRE DEPARTMENT



Gil Rodriguez
Fire Chief

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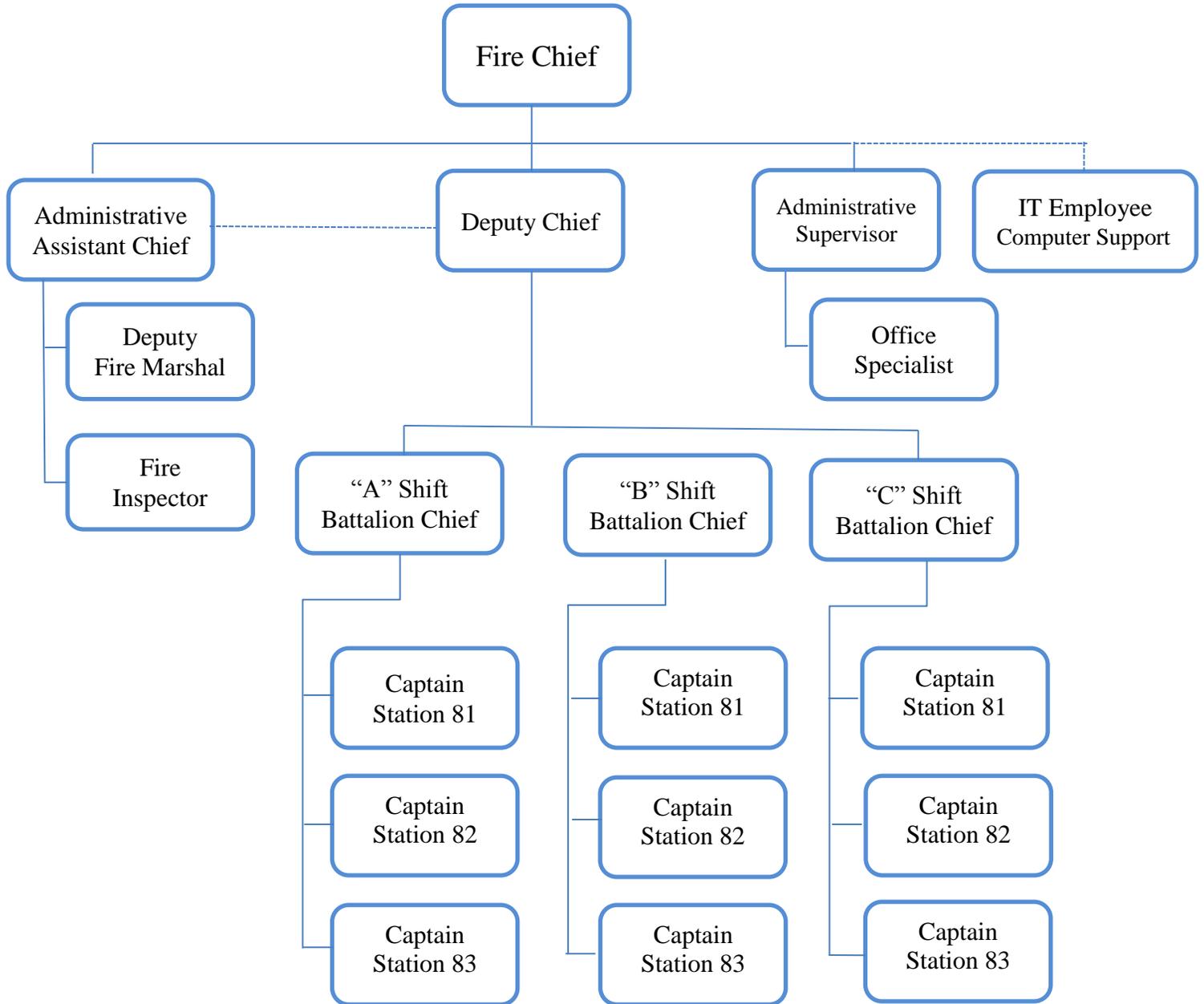
Mission Statement

The role and mission of the fire department is to provide fire protection, fire prevention and emergency medical services to the residential and business population of the city, with a well-trained staff in an organized and safe manner, at a minimal cost to the city, and to cooperate with other departments within the city.

- Murray City Code, Section 2.22.010



2017 Organization Chart



Fire Cadet Program

Becoming a Fire Cadet is a great opportunity for young adults 16 – 21 years of age who are interested in learning about firefighting and EMS as a future career choice. The program allows them to gain a better understanding of the fire service and helps guide those interested in possibly pursuing the fire service as a career.

They gain an introductory level knowledge of firefighting skills, tools and equipment, CPR, and basic first aid. At times they may assist at the scene and help with community events.

Many of our cadets have gained full or part-time employment with us or other valley fire and dispatch departments.



Fire Prevention Division

The Fire Prevention Division is responsible for plan reviews, inspections, fire investigations and public education.

Major projects reviewed and inspected this year included; updates to Fashion Place Mall, the IHC Gardner Transformation Center, Metro at Fireclay, BMW of Murray, EMI Health, Murray Crossing Budget Car & Truck Rental, Ace Hardware, PetSmart, TOSH, and Macy's.

Notable fires that were investigated this year included: a house fire on Lindon Street, Brittany apartments, IHOP, St. George Steel,, Weir Products (mutual aid with South Salt Lake), 6050 Wabash (house fire), 262 East 5900 South (house fire), 75 West Woodrow (abandoned house fire), and Fountain of Youth (abandoned commercial structure fire).

CPR classes were taught on a regular basis to individuals and community groups, including medical staff, private business, schools, and various other organizations. Fire safety and extinguisher training classes were also provided for several community groups.

Members of the Fire Prevention Bureau participated in several community events this past year including the annual Health and Safety Fair, July 4th activities, the Chili Cook-Off for Kids Burn Camp and MDA.



2017 Fire Prevention Statistics

Fire Investigations	16
Annual Day Care and State Required Inspections	55
Construction Inspections	127
Suppression System Inspections	11
Special Inspections	23
Plan Reviews	87
Public Education/Assist	14
Special Events	20
New Business License Inspections	673
Engine Company Inspections	360

Fire Department Station Tours	Firefighter Involvement in Community / Charity Events (includes school functions)
Station 81: 14	16
Station 82: 6	16
Station 83: 15	11

*Refer to "Community Involvement" page for major events



Facilities

Fire Station 81 – Headquarters 40 East 4800 South

Station 81 was built in 1979 and is the center of operations. A paramedic engine, ambulance, reserve pumper, reserve brush truck, and command vehicle are all housed at this station.



Fire Station 82 – 996 East Vine Street

Building of this facility was complete in the spring of 2008, and was built to provide emergency response to the newly annexed areas on the city’s east side. A paramedic engine, ambulance, an air and light unit, and a haz-mat trailer are housed at this station.



Fire Station 83 – 484 West 5900 South

Station 83 was ready for occupancy in the spring of 2009. At 17,000 square feet, this building is also the new home of the City’s Emergency Operations Center. The 95-foot mid-mount platform, an ambulance, and a reserve quint (pumper w/ ladder), are dispatched out of this station. It also houses our new type 6 brush truck and a special ops utility vehicle.



**Fire Station 84 –
163 East 5900 South**

Construction of this station was completed in May 1997, built to provide service to the southeast quadrant of the city. However, when annexations increased the city’s east-side boundaries a new station was built, providing emergency response to that area. With its central location, the shift battalion chief responds from this station. It also serves as the main distribution point for medical supplies and houses two reserve ambulances.



Fire Station Annex – 4844 South Poplar Street

The annex, located on the same property as Station 81, is used for housing of equipment and is also utilized as a fitness facility.



Fire Prevention Building

One of two portable buildings, acquired in 2003 from Murray School District and located at the south end of Station 81 property, provides office space for the fire marshal and the fire prevention division.



Community Education Building

The second portable building is located on the same property, just east of Station 81. This facility serves as a classroom for departmental training as well as community oriented courses, including C.E.R.T. and CPR classes.



Apparatus

Station 81

1989 Chevrolet One Ton	Grass Truck / Snow Plow
1999 Ford Explorer	Reserve Response Vehicle
2005 MMD Portable Generator	100 kw Portable Diesel Generator
2005 Pierce Pumper	1500 GPM Pumper w/water
2006 Chevrolet Mobile Command Vehicle	Special Ops / Mobile Command Center
2008 Ford F-450	Ground Ambulance
2016 Pierce Pumper	1500 GPM Pumper w/water
2016 Dodge Horton 4500	Ground Ambulance

Station 82

2001 Pierce Pumper	1500 GPM Pumper w/water
2002 Enclosed Trailer	Haz Mat / Special Ops
2005 Ford F-550 Truck	Haz Mat Tow Vehicle / Air Cascade
2015 Dodge Horton 4500	Ground Ambulance

Station 83

1990 Ford One Ton Van	Special Ops Vehicle
1997 Smeal 75' Ladder	1500 GPM Ladder w/water
2008 Ford F-450	Ground Ambulance
2009 Pierce Mid-Mount Platform	1500 GPM Tower w/water
2013 Dodge 5500	Type 6 Wild Land Brush Unit

Station 84

2003 Ford F-350	Reserve Ambulance
2008 Ford F-450	Reserve Ambulance
2013 Ford F-350	B/C-81 Command Vehicle

Administration

2003 Ford Crown Victoria	Reserve Vehicle
2004 Ford Explorer	Reserve Vehicle
2009 Ford F-150 Pick-Up	Fire Inspector Vehicle
2014 Ford Explorer	Deputy Fire Marshal Vehicle
2014 Ford Fusion	Fire Chief Vehicle
2015 Ford Fusion	Administrative Assistant Chief Vehicle
2017 Ford Explorer	Deputy Fire Chief Vehicle

Utah Museum of Fire Service History

1947 American LaFrance	Antique Apparatus
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Fire Training Highlights

Keeping with our aggressive approach to training, this year was filled with an array of different training topics designed to keep our firefighters at the forefront of response readiness. In total, the Murray City Fire Department documented 6,388 hours of fire-related training. The spectrum of our training included the traditional topics of firefighting, hazardous materials response, and safe driving, and spanned to our specialty trainings including wildland firefighting, specialty rescue, and terrorism response.

The year 2017 saw an emergence in our ability to respond to man-made mass casualty incidents such as mass shootings. Our Rescue Task Force training focused on our ability to provide care during active shooter incidents and provide immediate response to those in need. The Rescue Task Force is an incredible collaboration between our fire department, our police department, and neighboring agencies.

MCFD training also placed emphasis on our valley partnerships with surrounding organizations. We continued to take part, and host, Live Fire Tuesdays, Haz-mat Wednesdays, and Heavy Rescue monthly trainings with valley fire departments.

We continue to recognize the individual merit of our personnel and encourage their attendance at the Utah Fire and Rescue Academy Winter Fire School, National Fire Academy Courses, federally funded first responder classes, and many other trainings provided both locally and nationwide.



Emergency Medical Training

Murray City Fire Department EMT's, Advanced EMT's, and Paramedics logged over 1,586 training hours this year. These hours supersede our recertification requirements through the Utah Bureau of Emergency Medical Services and National Registry of Emergency Medical Technicians.

In September, paramedics completed additional training to enhance patient treatment with newly added Ketamine and Ativan medications. These additional medications have improved safety during transport, increased treatment options, and provided a well-rounded care option for many patients.

Alongside these advancements Murray paramedics also completed an International Trauma Life Support course that aids in the improvement of care for trauma victims. Murray City Fire Department will continue to advance our education and improve methods of delivery with the advancing technology.



Emergency Medical Services

The number of medical calls we respond to continues to increase. Approximately 80% of all 9-1-1 calls are for medical response, with approximately 44% requiring ambulance transport.

We are in the process of refurbishing the second of our three original 2008 Horton ambulances. We expect this vehicle back in service by spring of 2018. By remounting our existing “box” to a new Dodge Chassis, we provide a significant savings to Murray City. We hope to be able to continue the practice of refurbishing our older units, thereby saving money while keeping our fleet reliable.

We continue to have successful patient care reporting with our Image Trend software. Image Trend works well with our billing company and also meets the EMS State reporting requirements. Our paramedics are carrying some new medications (Ketamine and Ativan) in order to continue top patient treatment. We are training with our Police Officers on Rescue Task Force incidents in order to meet the need of a mass casualty response. Training continues to be a priority to meet the changing needs of EMS.

Our Medical Director continues to be Dr. Adam Balls. Along with being our Medical Director he is the Chairman of the IMC Emergency Department. Under the direction of Dr. Balls we provide ongoing medical training and nationally recognized certifications for all fire department members.

“Always in Service” was the theme of this year’s EMS Week. A proclamation was read at City Council Meeting, and the week concluded with our annual tradition of an old fashioned BBQ at Station 84.



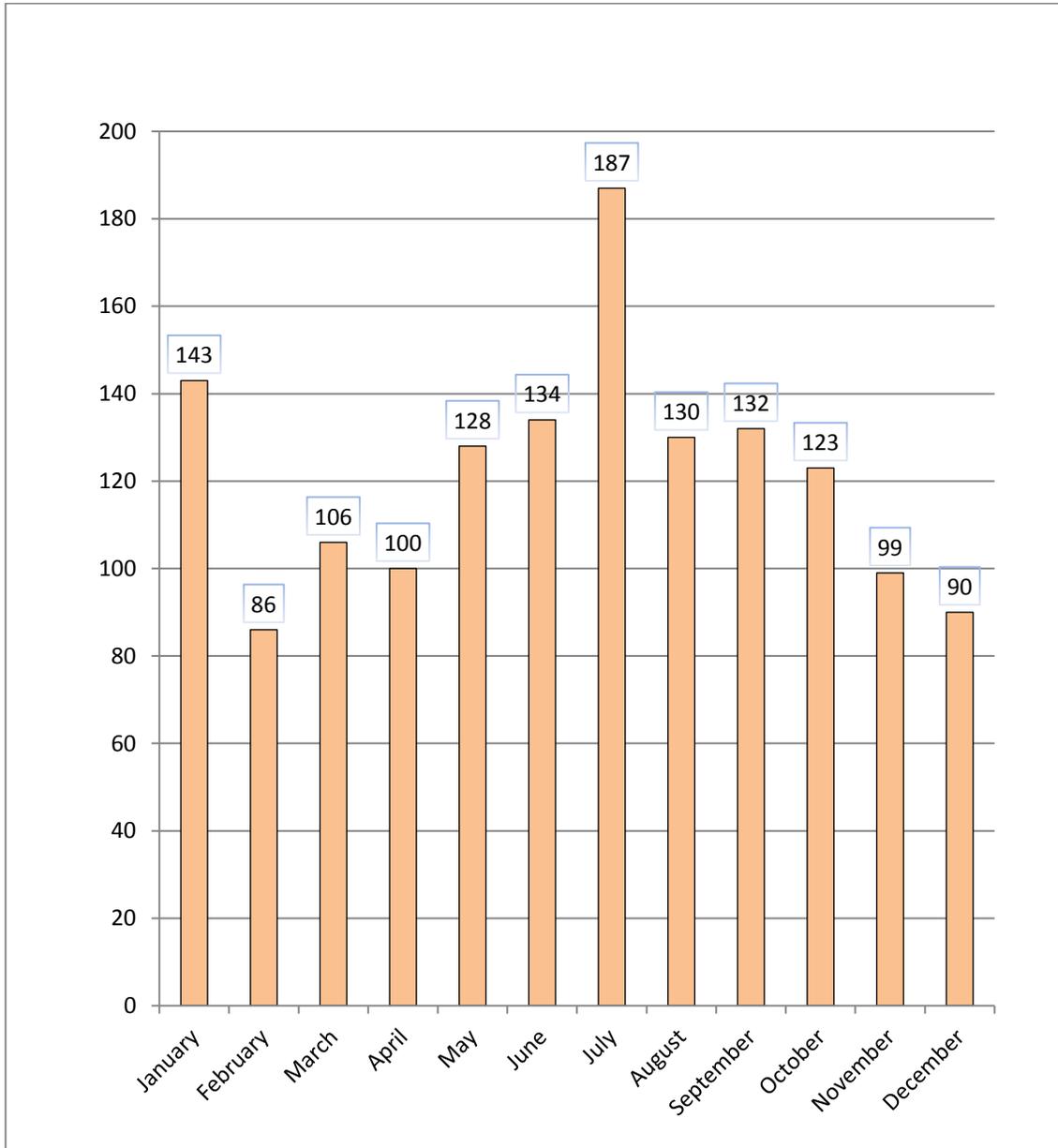
Total Medical Calls & Transports by Month

Month	Medical Calls	Transports	Transport Percentage
January	501	235	47%
February	368	180	49%
March	557	199	36%
April	319	197	62%
May	460	205	45%
June	440	205	47%
July	511	236	46%
August	492	234	48%
September	396	177	45%
October	417	192	46%
November	413	212	51%
December	465	214	46%
Totals	5,339	2,486	47%

2017 Nature of Medical Call

Description	Calls
Vehicle / Traffic Accident	808
Falls	646
Sick Person	552
Unconscious / Fainting / Near Fainting	405
Psychiatric / Abnormal Behavior / Suicide	404
Breathing Problem	354
Unknown / Person Down	284
Chest Pain – Non Traumatic	262
Overdose / Poisoning	254
Seizure	247
Assault	168
Hemorrhage / Laceration	116
Cardiac Arrest / Death	115
Stroke / CVA	114
Diabetic Problem	94
Traumatic Injury	87
Other (Included Canceled Calls)	429
TOTAL	5,339

2017 Fire Response by Month



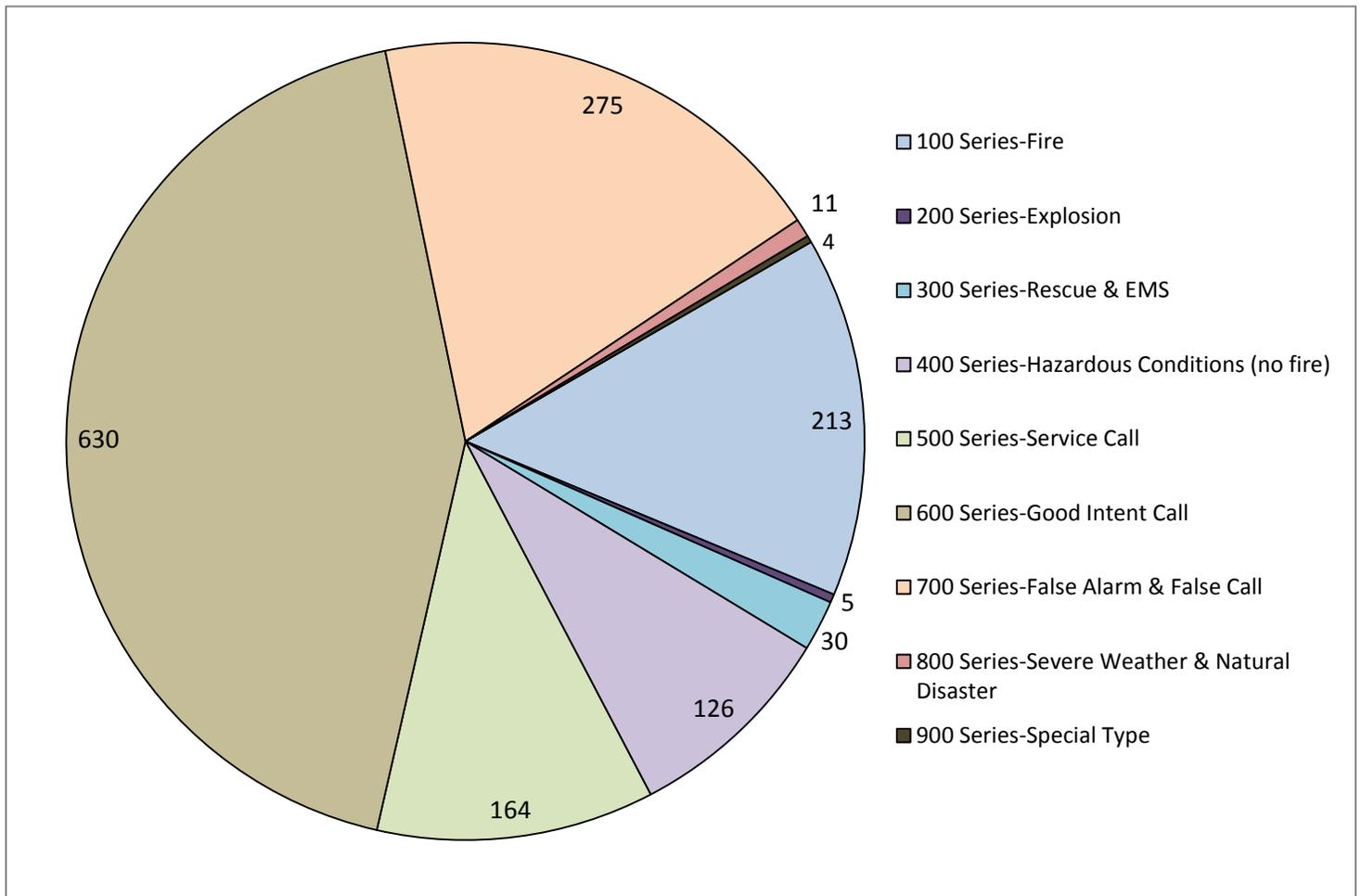
Total Fire Calls: 1,458

Fire Incidents by Type

	Type of Incident	Total Incidents
111	Building fire	71
113	Cooking fire, confined to container	24
114	Chimney or flue fire, contained	1
118	Trash or rubbish fire, contained	3
131	Passenger vehicle fire	17
132	Road freight or transport vehicle fire	3
137	Camper or recreational vehicle fire	1
138	Off-road vehicle or heavy equipment fire	2
142	Brush or brush-and-grass mixture fire	21
143	Grass fire	29
151	Outside rubbish, trash or waste fire	21
154	Dumpster or other outside trash receptacle fire	12
160	Special outside fire	4
161	Outside storage fire	2
162	Outside equipment fire	2
251	Excessive heat scorch burns with no ignition	5
311	Medical assist, assist EMS crew	2
331	Lock-in	5
352	Extrication of victim(s) from vehicle	3
353	Removal of victim(s) from stalled elevator	15
363	Swift water rescue	2
381	Rescue or EMS standby	3
411	Gasoline or other flammable liquid spill	11
412	Gas leak (natural gas or LPG)	41
413	Oil or other combustible liquid spill	2
421	Chemical hazard (no spill or leak)	4
422	Chemical spill or leak	2
423	Refrigeration Leak	1
424	Carbon monoxide incident	13
441	Heat from short circuit (wiring), defective/worn	2

442	Overheated motor	4
443	Breakdown of light ballast	2
444	Power line down	23
445	Arcing, shorted electrical equipment	19
460	Accident, potential accident	1
481	Attempt to burn	1
510	Person in distress	4
511	Lock-out	25
520	Water problem	5
521	Water evacuation	1
522	Water or stream leak	28
531	Smoke or odor removal	27
541	Animal problem	2
542	Animal rescue	2
551	Assist police or other government agency	11
552	Police matter	2
553	Public service	34
554	Assist invalid	8
555	Defective elevator, no occupants	1
561	Unauthorized burning	11
571	Cover assignment, standby, move-up	3
600	Good intent call	19
611	Dispatched and cancelled en route	531
622	No incident found on arrival at dispatch address	12
631	Authorized controlled burning	1
632	Prescribed fire	1
651	Smoke scare, odor of smoke	45
652	Steam, vapor, fog or dust thought to be smoke	8
653	Smoke from barbecue, tar kettle	7
671	HazMat release investigation w/no HazMat	6
700	False alarm or false call	43
710	Malicious, mischievous false call	1
711	Municipal alarm system, malicious false alarm	6
714	Central station, malicious false alarm	3

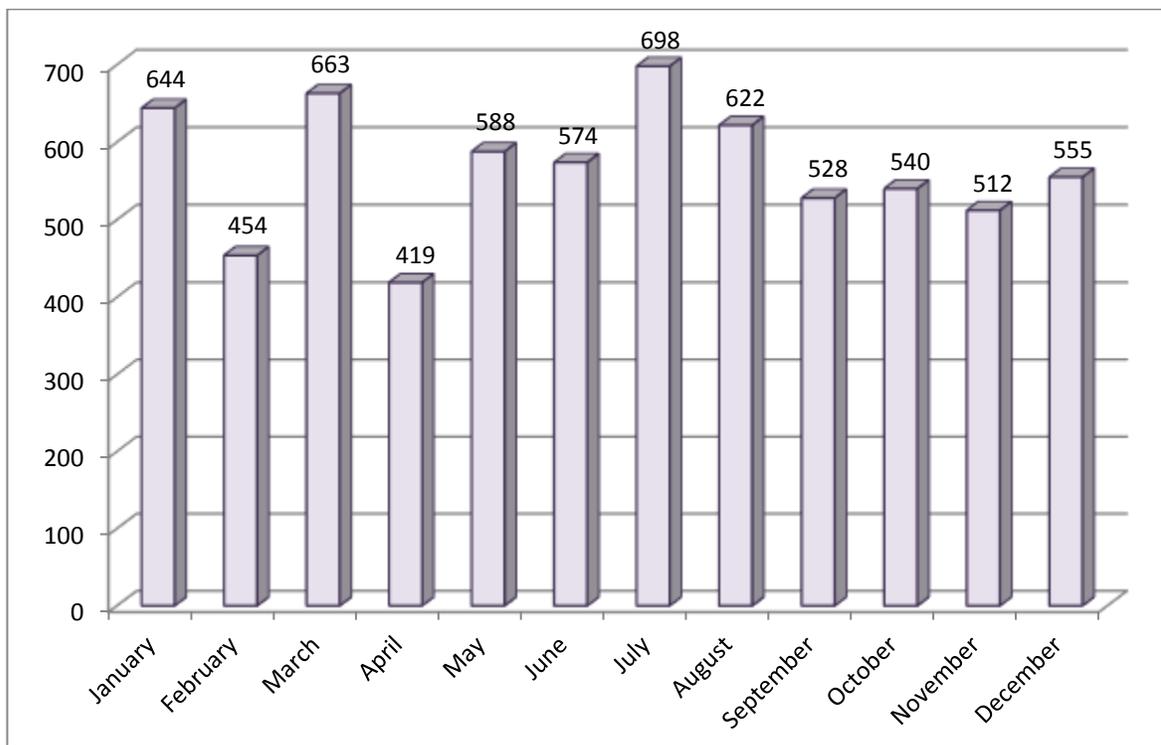
Total of Fire Incidents in Series



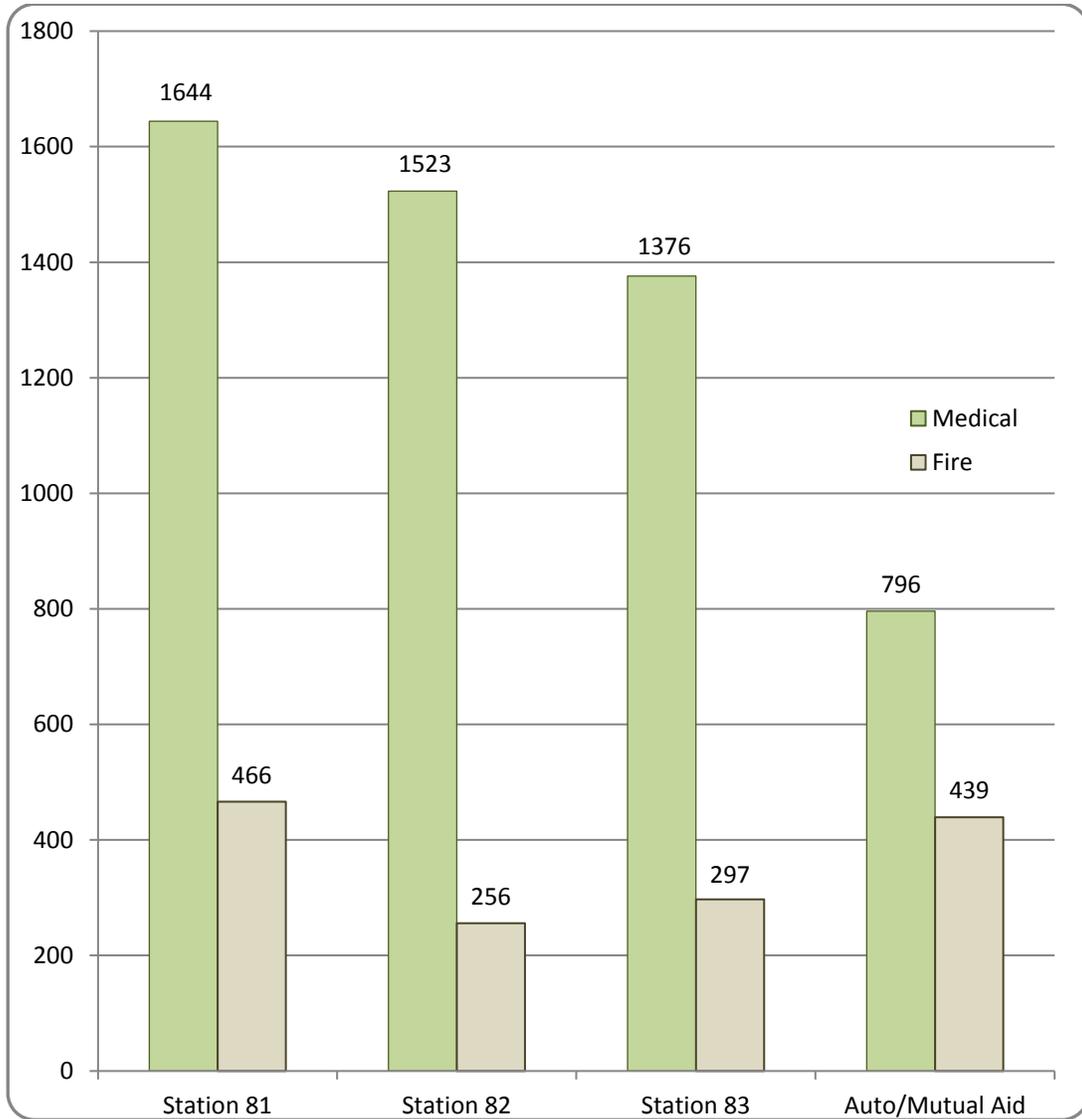
Type of Incident	Total of Incidents
100 Series – Fire	213
200 Series – Explosion	5
300 Series – Rescue & EMS	30
400 Series – Hazardous Conditions (no fire)	126
500 Series – Service Call	164
600 Series – Good Intent Call	630
700 Series – False Alarm & False Call	275
800 Series --Severe Weather & Natural Disaster	11
900 Series – Special Type	4

Total Fire & Medical Calls by Month

Month	Total Calls
January	644
February	454
March	663
April	419
May	588
June	574
July	698
August	622
September	528
October	540
November	512
December	555
	6,797

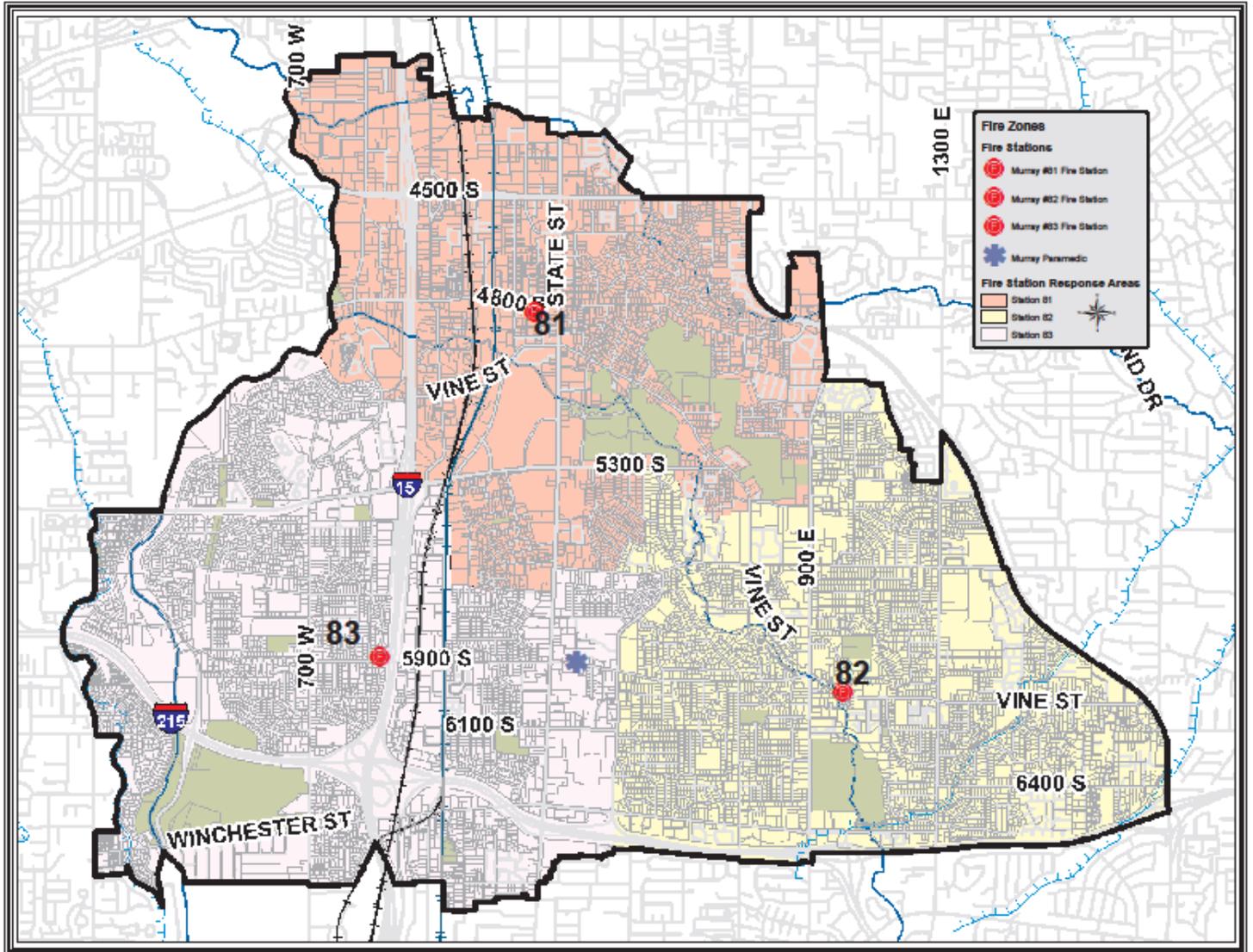


Fire and Medical Calls by Zone



Mutual/Auto Aid Calls = All Areas Combined

Fire Station Zones



Emergency Management

Entire communities can be shut down by a disaster. It's essential for government, local businesses, citizens, and the surrounding communities to be able to work together to create an emergency plan. It means being mentally prepared as well as having the knowledge and right supplies on hand to ensure survival.

Our department participated in the following training exercises this year.

- 4/20/17 Salt Lake County EOC Shakeout Drill
- 5/04/17 Murray City, City-Wide Earthquake Drill
- 9/2017 – 10/2017 Three Emergency Operations Center Drills
- 11/8/17 Murray City participated in a multi-jurisdictional water disruption functional exercise. The exercise presented scenarios testing communication coordination, resource management, cyber-related incidents, documentation, and mutual aid assistance.
- 12/29/17 Damage Assessment and HAM Radio Exercise

Various other trainings included:

- 1/11-12/17 – UEMA Conference
- 5/16-17/17 –Governor's Public Safety Summit
- 7/6/17 Rapid Needs Assessment Class
- 8/23/17 Anticipating Hazardous Weather and Community Risk
- 10/18/17 - Utah's State Emergency Management Conference
- 11/16/17 – Joint Terrorism Conference
- 12/6/17 – Disaster Conference

Murray City continues to be involved in the Local Emergency Planning Commission (LEPC) and the Salt Lake Valley Emergency Manager Meetings.

Grants

The Murray City Fire Department continues to receive grant assistance from the Utah Bureau of Emergency Medical Services and is based on per capita allocations. The Fire Department was awarded \$6,030 in per capita funds this year to be utilized for emergency medical services and equipment for our department.

The Murray City Fire Department continues to receive grant assistance from the State Homeland Security Performance (SHSP) Grant Program. This program provides Federal Emergency Management Agency (FEMA) funds to Salt Lake County and entities within the County. The program is through the State of Utah and administered by Salt Lake County. This source of funds continues to diminish. The final award for this year is estimated to be \$14,773, and will be used to upgrade mobile computers for the new Hexagon computer assisted dispatch (CAD) system.

The Emergency Management Performance Grant (EMPG) was applied for and received in the amount of \$11,000 to offset the salary for the emergency manager. No Competitive Grant funds were received this year.



Community Involvement

Murray City Fire Department is committed to providing the highest level of public service to our community. Our firefighters are involved in community groups and events throughout the year, on and off the job.

In addition to providing regular tours at each station, department personnel participated in the IMC Heart Health Fair, Murray High School Career Day, IHOP Pancake Eating Contest Charity Event, Go-Red-for-Women Heart Disease Fundraiser, Chili Cook-Off Events, and many others.

Major annual events included the following:



National Fallen Firefighters Foundation – Golf Tournament

The 10th Annual Wasatch Front Golf Tournament was held at Talons Cove Golf Club in Saratoga Springs on Friday, June 30th, with all proceeds going to the National Fallen Firefighters Foundation. The mission of the NFFF is to honor and remember America’s fallen fire heroes, provide resources to assist survivors and work to reduce firefighter deaths.



July 4th - Fun Days

The “Fun Days” event is Murray’s longstanding 4th of July tradition; a family day with a host of events in and around Murray Park. Beginning with a patriotic tribute by our Medical Advisor, Dr. Adam Balls, members of the fire department participated in activities throughout the day, and were readily available for emergency response.



Fire/Police Health & Safety Fair

The annual Police & Fire Health/Safety Fair was held Monday, August 21st at Murray Park. Free to the public, this event continues to grow in popularity. This event is fun for the whole family and includes activities, entertainment, freebies, music, and demonstrations. Favorites include a 5K Fun Run, the Life Flight helicopter, a fire sprinkler burn shed demo, SWAT vehicle assault demo, and the police/fire K9.



MDA “Fill the Boot”

The MDA “Fill the Boot” campaign has been a strong firefighter tradition. Funds raised go toward lifesaving research and for the benefit of those with neuromuscular disease. Firefighters know that what they do truly makes a difference in the lives of so many. This year Murray Fire Department collected over \$17,000 for this organization.

Wildland Firefighting

On December 6, 2017, the State of California declared a state of emergency due to raging wildfires. In response, a request was sent out from the Office of Utah's Governor to all State fire departments asking for firefighters and engines to assist. Firefighters from several agencies volunteered despite knowing there was a chance they could miss Christmas with their own families.

The Murray City Fire Department was able to deploy four firefighters (Capt. Matt Boulden, Zac Hansen, James Oyler, and Josh Schultz) as well as the department's wildland engine to aid in fighting the Thomas Fire in southern California. In total, over 80 firefighters from Utah responded.

While working on the wildfires, firefighters were able to see the enormous devastation of homes and property. The Thomas Fire ended up being the largest fire in modern California history, growing to nearly 281,893 acres, destroying 1,063 structures and damaging another 280. Our hearts and prayers go out to all the families in California who were affected by these devastating fires, and especially to the family of the California Fire Engineer, Cory Iverson, who lost his life fighting the Thomas Fire.

Upon their return, the firefighters that were deployed were able to share with their co-workers some valuable lessons learned.

