



Murray City Fire Department 2019 Annual Report



**MURRAY CITY CORPORATION
FIRE DEPARTMENT**

**Blair Camp, Mayor
Jon Harris, Fire Chief
801-264-2780**

Message from the Chief . . .

It is my honor and privilege to present the 2019 annual report for the Murray City Fire Department and to thank you for taking the time to review our many accomplishments and ongoing activities of the past year.

The fire department is continually searching for opportunities to improve our services, promote efficiency, and increase community and firefighter safety. I am truly humbled to lead a department that remains committed to providing the highest level of service in a professional, cost-effective, and responsible manner.

This year we made a few changes in the organization which included the addition of a training captain to work the day shift. This will enable our department to take our training program to a higher level by having a dedicated individual who can coordinate the training among all three shifts.

A good deal of time and effort this year was spent overseeing the construction of our new Fire Station 81. With the support of the Mayor's Office and City Council, we feel this new facility will allow the fire department to adequately grow with the community and serve the citizens for many years to come. The construction was delayed somewhat due to the excessive winter snowfall in the valley, but the station is scheduled for completion in the spring of 2020.

We remain committed to collaborating with and supporting surrounding areas. The dry season brought on more wildland devastation in Utah and on the west coast. We sent crews to help with the wildland fires in Tooele as well as in Ventura County, California.

We continue to focus on updating our apparatus fleet and this year took delivery of a new Pierce fire engine in November. This unit replaced the 1997 Smeal, 75' ladder, which was sent to surplus. The new engine is housed at Station 82 and responds to calls in that district.

On behalf of all members, I wish to thank the entire community for the incredible support. The men and women of the Murray City Fire Department, no matter the area of assignment, be it administrative, fire prevention, emergency management, fire or medical response, are consistently here to serve you.

Sincerely,
MURRAY CITY FIRE DEPARTMENT

Jon Harris
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.

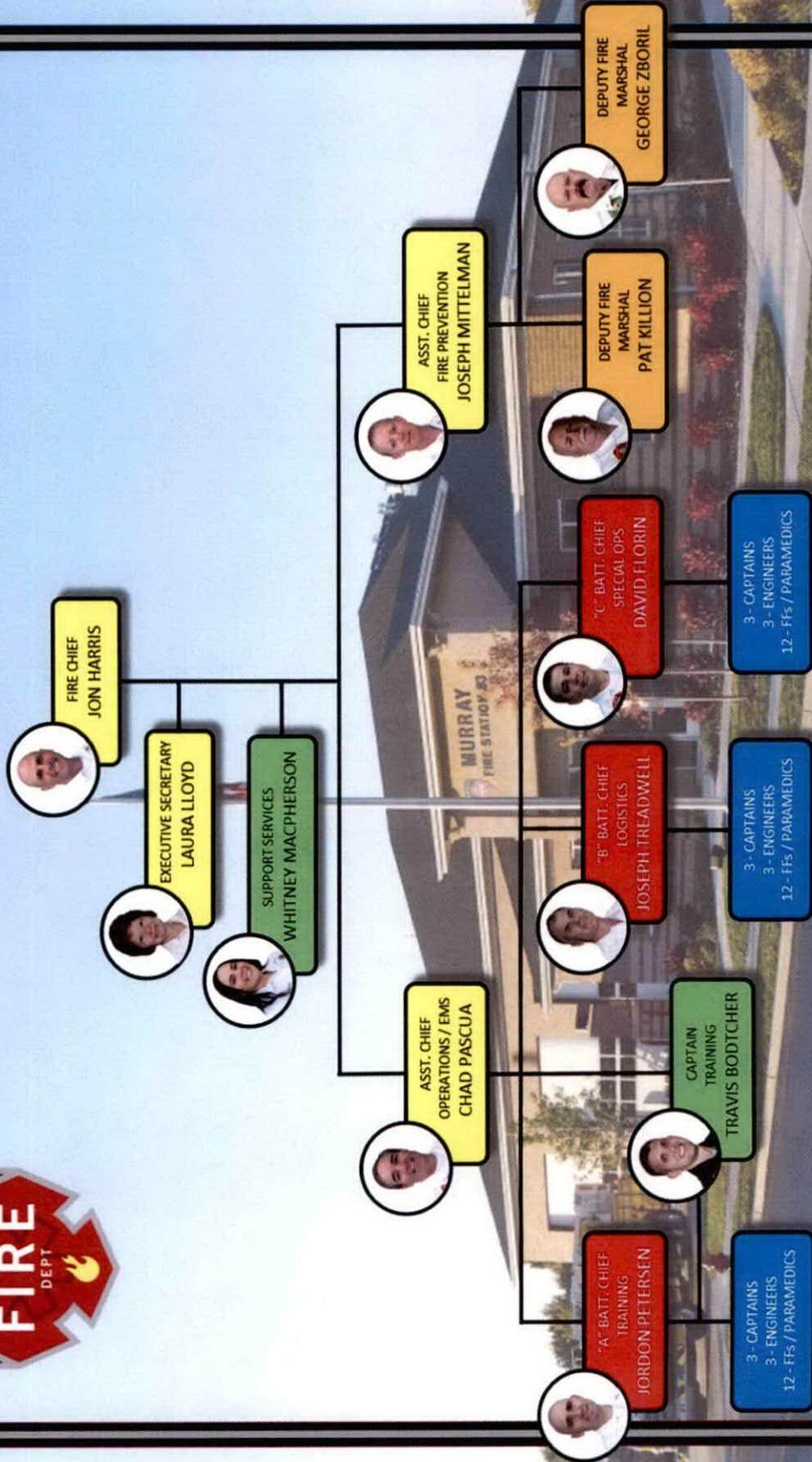
- Murray City Code, Section 2.22.010





MURRAY CITY FIRE DEPARTMENT

ORGANIZATIONAL CHART



2019

Fire Prevention Division

In June, Fire Marshal Mike Dykman retired after serving Murray City for 31 years. Joseph Mittelman was then promoted to fill the vacancy. Later in the year, two part-time employees were hired to assist in the area of emergency management and public education, including CERT and CPR classes. Tom Roberson and Mac Lund both retired from other departments and will be instrumental in developing our "Whole Community Response Plan." Our goal is to prepare each neighborhood to know what to do, who to check up on and what resources are available should a disaster hit.

In addition to CERT and CPR classes, the fire prevention staff provide fire safety and fire extinguisher training to various community groups and businesses. The theme of this year's Fire Prevention Week was "Plan, Practice, and Escape." Once again, our staff worked with the elementary schools in educating second graders in fire safety, along with the Murray City Library Pre-School Readers and the Senior Recreation Center.

We continue to partner with the American Red Cross to distribute free smoke detectors to citizens in need. We are confident this is a very worthwhile program. Seventy-four smoke detectors were installed in residential facilities in the community this year.

Major projects reviewed and inspected this year included: Wheeler Farm Education Building, updates at Intermountain Medical Center, Gardner Transformation Center, Security National Financial Corporation expansion project, Mick Riley Clubhouse, Murray Crossing, Metro at Fireclay, Paris RV expansion, Granton Square, Shake Shack at Fashion Place Mall, Nelson and Tillmann Family Dentistry and the new Fire Station 81 facility.

Major fires that were investigated this year included; house fire at 794 W Shadow Wood Drive, apartment fire at 5556 S Marshwood Lane, a vehicle fire which resulted in death of the driver at 5400 S State Street, house fire at 646 W Clover Crest Drive, and an apartment kitchen fire at 1128 E 6600 S.

The annual Police/Fire Health and Safety Fair was held at Murray Park on Monday, August 5th from 6-9 pm. There were several safety events and demonstrations, including the popular burn shed demonstration. Various other agencies participated with events, activities, and exhibits.



2019 Fire Prevention Statistics

Fire Investigations	21
Annual Day Care and State Required Inspections	72
Construction Inspections and Follow-Ups	251
Plan Reviews	112
Public Education	31
New Business License Inspections	742
Electronic Inspections	101
Engine Company Inspections	633
Knox Box Updates	22
Citizen Code Assistance	23



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 paramedic engine 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
2005 MMD Portable Generator	100 kw Portable Diesel Generator
2006 Chevrolet Mobile Command Vehicle	Special Ops / Mobile Command Center
2016 Pierce Engine	1500 GPM Pumper w/water
2020 Ford Crew Cab Horton	Ground Ambulance

Station 82

2002 Enclosed Trailer	Haz Mat / Special Ops
2005 Ford F-550 Truck	Haz Mat Tow Vehicle
2015 Dodge 4500 Horton	Ground Ambulance
2020 Pierce Engine	1500 GPM Pumper w/water

Station 83

1990 Ford One Ton Van	Special Ops Vehicle
2001 Pierce Engine	1500 GPM Pumper w/water (Reserve)
2005 Pierce Engine	1500 GPM Pumper w/water
2009 Pierce Mid-Mount Platform	1500 GPM Tower w/water
2013 Dodge 5500	Type 6 Wild Land Brush Unit
2017 Dodge 4500 Horton	Ground Ambulance

Station 84

2003 Ford F-350	Reserve Ambulance (Wild Land)
2013 Ford F-350 Truck	B/C-81 Command Vehicle
2016 Dodge 4500 Horton	Reserve Ambulance

Administration

2006 Dodge Ram Pick-Up	Reserve Vehicle
2009 Ford F-150 Pick-Up	Fire Inspector Vehicle
2014 Ford Explorer	Deputy Fire Marshal Vehicle
2014 Ford Fusion	Day Shift Captain Vehicle
2015 Ford Fusion	Assist. Chief / Fire Marshal Vehicle
2017 Ford Explorer	Fire Chief Vehicle
2019 Ford Explorer	Assistant Chief Vehicle

Utah Museum of Fire Service History

1947 American LaFrance	Antique Apparatus
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Fire Apparatus

The most recent addition to our fleet is a 2020 Pierce Velocity Pumper. It will serve as a frontline engine and be dispatched out of Station 82. Even with inflation-related price increases, we were able to reduce costs by using equipment from our inventory and our own personnel spent numerous hours on specs and mounting accessories and auxiliary equipment.

Our 2016 Pierce Pumper is the frontline engine at Station 81 and continues to be reliable. This apparatus was also the inspiration for the new pumper, albeit with a few minor modifications.

Our 2005 Pierce Engine is front line at Station 83. It is used as the "jump" apparatus, meaning that unless the aerial tower is needed, the crew takes the engine to support the ambulance on medical calls. With 150,000 miles, the transmission was recently rebuilt and will soon require an in-frame engine rebuild.

The 2008 Pierce Aerial Tower is in place at Station 83. With 100,000 miles on the odometer it has recently required a major transmission rebuild and will soon require outrigger repairs.

The 2001 Pierce Engine had both a major transmission rebuild and in-frame engine overhaul. With 160,000 miles, this apparatus serves as a reserve at Station 83.

Ambulance Fleet

We have refurbished the last of our original 2008 Horton ambulances. We replaced the chassis with a 4-door crew cab to allow 3-person staffing. Our ambulances currently run with 2 personnel, and most medical responses require more people to effectively handle the situation. A substantial percentage of these calls can be handled by three people responding in one ambulance.

We currently have five ambulances, one dedicated to each station, one as a reserve, and one for wild land assignments.



2020 Pierce Velocity Pumper



2019 Ford Crew Cab Horton

Fire Training Highlights

Our staff took advantage of many training opportunities both within the department and those offered by outside agencies.

Once again, we've taken steps toward enhancing our training delivery. We consistently refine our techniques, and often exceed recertification requirements.

This year we've taken measures to provide more online and blended learning environments. With the new website "Padlet," videos, documents, files, images, and training events can be uploaded and accessed immediately. This platform allows us to compensate for interrupted training sessions and unexpected absences.

Special rescue situations and natural disasters require multiple agencies to work together. Because of this, we train extensively with other departments in the valley on technical rescue, haz-mat and rope rescue. Our team specializes in swift water, ice rescue, and river and stream haz-mat mitigation.



Firefighter Mental Health - We continue to place significant emphasis on the mental and emotional wellness of our members. Our efforts continue to stand as an example for other public safety organizations to follow. We welcome the new Employee Assistance Program provider, Blomquist Hale, and have been working with them to coordinate our programs.

We were delighted when Chief Harris was given special recognition at the "Honor 365 Ten4 Responding" gala for his dedication to lifting the stigma around mental health and promoting mental wellness among firefighters.





< **Live Fire Training with Valley Fire Departments**

Water Rescue Training in Murray Park >



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. Following is a list of those who participated in the program during the year 2019.

Jacob Gaeta
Cade Harris
Elijah Marichal
McKenzie McKellar
Therron Murray
Dyllon Ryser
Andrew Sommer
Dakota White



Emergency Medical Services

Murray City Fire continues to provide high quality medical services, continually meeting the needs of the community. The mission of the EMS Division is to provide the highest quality pre-hospital treatment to the citizens and visitors of Murray City by providing prompt, courteous and professional emergency care and exceeding customer expectations.

We continue to have successful patient care reporting with our Image Trend software. Image Trend works well with our billing company and meets the EMS State reporting requirement. We are in the process of implementing an “app” called Handtevy. This is a pediatric resuscitation system designed for EMS personnel to rapidly access customized, accurate dosing while efficiently documenting code interventions in real-time.

Training continues to be a priority to meet the changing needs of EMS. With the promotion of Joey Mittelman to Assistant Chief, Captain Nick Haskin and Paramedic James Oyler have taken the lead to oversee mandatory medical training and the State and National Certification process. Travis Bodtcher, who was promoted to Captain in July, was assigned to fire and medical training for all three shifts.

Our Medical Director continues to be Dr. Adam Balls, who is also 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.

“Beyond the Call” was the theme of this year’s EMS Week. Firefighter/ Paramedics provided blood pressure and other health assessment checks and provided information on the “Stop the Bleed” program.



Total Medical Calls & Transports by Month

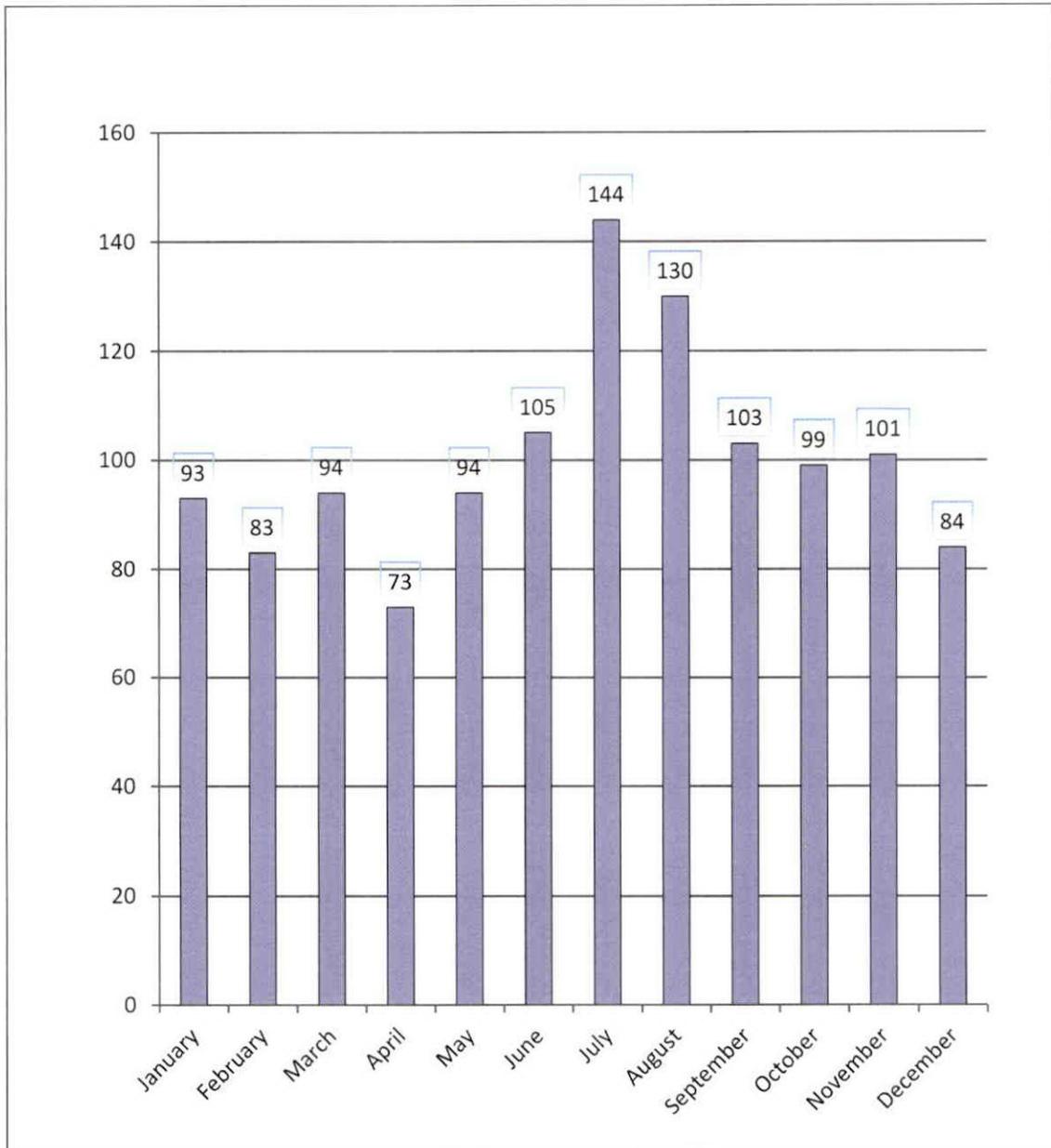
Month	Medical Calls	Transports	Transport Percentage
January	430	206	48
February	377	189	50
March	417	205	49
April	366	179	49
May	402	165	41
June	392	173	44
July	420	182	43
August	448	178	40
September	440	207	47
October	373	178	48
November	394	170	43
December	397	175	44
Totals	4,856	2,207	46%

2019 Nature of Medical Call

Description	Calls
Falls	714
Vehicle / Traffic Accident	628
Sick Person	544
Unconscious / Fainting / Near Fainting	395
Psychiatric / Abnormal Behavior / Suicide	338
Breathing Problem	270
Unknown / Person Down	235
Overdose / Poisoning	225
Seizure	219
Chest Pain -- (Non-Traumatic)	188
Assault	131
Hemorrhage / Laceration	129
Cardiac Arrest / Death	123
Stroke / CVA	87
Traumatic Injury	86
Diabetic Problem	82
Lift Assistance	61
Abdominal Pain	60
Heart Problem	54
Blood Draw -- Police	49
Back Pain (Non-Traumatic)	44
Allergic Reaction / Stings	38
Pregnancy / Childbirth / Miscarriage	22
Headache	19
Carbon Monoxide / Haz-Mat / Inhalation	15
Choking	15
Stabbing / Gunshot / Penetrating Trauma	16
Heat / Cold Exposure	10
Animal Bite	9
Burns / Explosion	5
Industrial Accident / Inaccessible Incident	4
Eye Problem / Injury	4
Drowning / Diving Accident	3
Other	34
Total	4,856

Calls canceled prior to arrival: 412

2019 Fire Response by Month



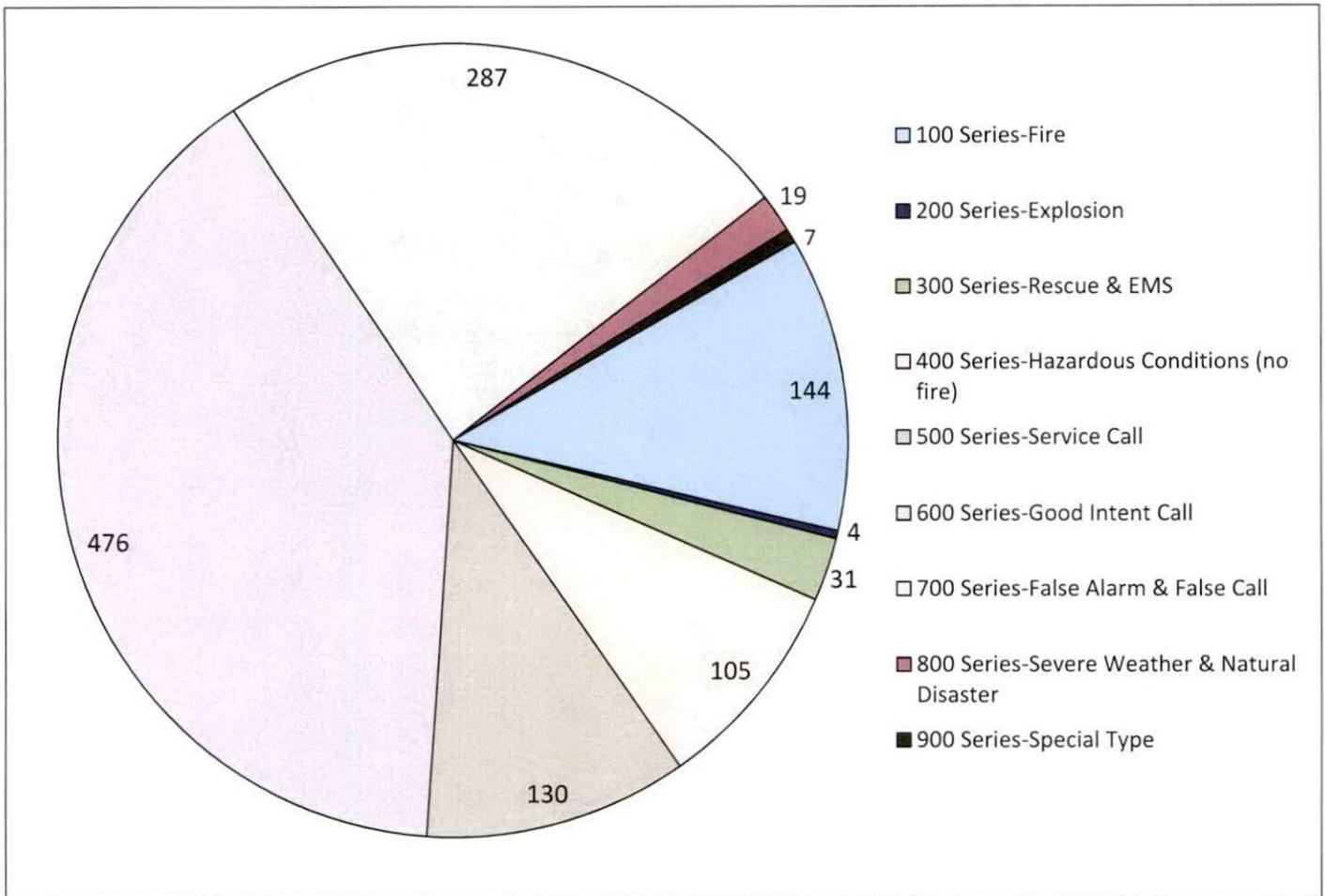
Total Fire Calls: 1,203

Fire Incidents by Type

	Type of Incident	Total Incidents
111	Building / structure fire	47
113	Cooking fire, confined to container	20
118	Trash or rubbish fire, contained	5
122	Fire in motor home, camper, recreation vehicle	2
131	Passenger vehicle fire	24
132	Road freight or transport vehicle fire	3
142	Brush or brush-and-grass mixture fire	9
143	Grass fire	11
151	Outside rubbish, trash or waste fire	9
154	Dumpster or other outside trash receptacle fire	11
162	Outside equipment fire	3
241	Munitions or bomb explosion (no fire)	1
251	Excessive heat scorch burns with no ignition	3
311	Medical assist, assist EMS crew	3
331	Lock-in	2
351	Extrication of person from building / structure	1
352	Extrication of victim(s) from vehicle	6
353	Removal of victim(s) from stalled elevator	16
363	Swift water rescue	1
371	Electrocution or potential electrocution	1
381	Rescue or EMS standby	1
411	Gasoline or other flammable liquid spill	11
412	Gas leak (natural gas or LPG)	46
413	Oil or other combustible liquid spill	2
421	Chemical hazard (no spill or leak)	4
422	Chemical spill or leak	2
424	Carbon monoxide incident	11
441	Heat from short circuit (wiring), defective/worn	1
444	Power line down	10
445	Arcing, shorted electrical equipment	16

	Type of Incident	Total Incidents
463	Vehicle accident general cleanup	2
511	Lock-out	23
521	Water Evacuation	1
522	Water or steam leak	19
531	Smoke or odor removal	18
542	Animal rescue	3
551	Assist police or other government agency	17
553	Public service	28
554	Assist invalid	7
555	Defective Elevator, no occupants	3
561	Unauthorized burning	6
571	Cover assignment, standby, move-up	5
611	Dispatched and cancelled en route	425
622	No incident found on arrival at dispatch address	5
641	Vicinity alarm	1
651	Smoke scare, odor of smoke	20
652	Steam, vapor, fog or dust thought to be smoke	9
653	Smoke from barbecue, tar kettle	6
671	HazMat release investigation w/no HazMat	10
700	False alarm or false call	75
710	Malicious, mischievous false alarm	5
715	Local alarm system, malicious or false alarm	1
730	System malfunction	7
731	Sprinkler activation due to malfunction	2
733	Smoke detector activation due to malfunction	23
735	Alarm system sounded due to malfunction	51
736	CO detector activation due to malfunction	7
740	Unintentional transmission of alarm	8
741	Sprinkler activation, no fire – unintentional	6

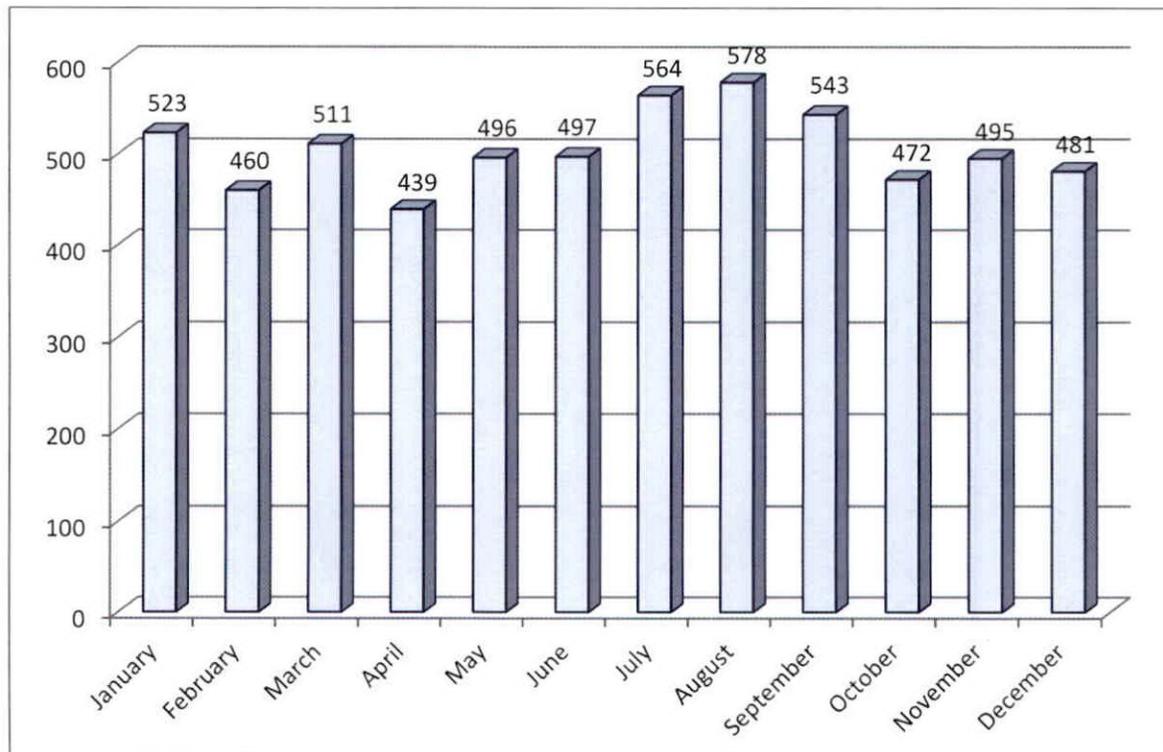
Total of Fire Incidents in Series



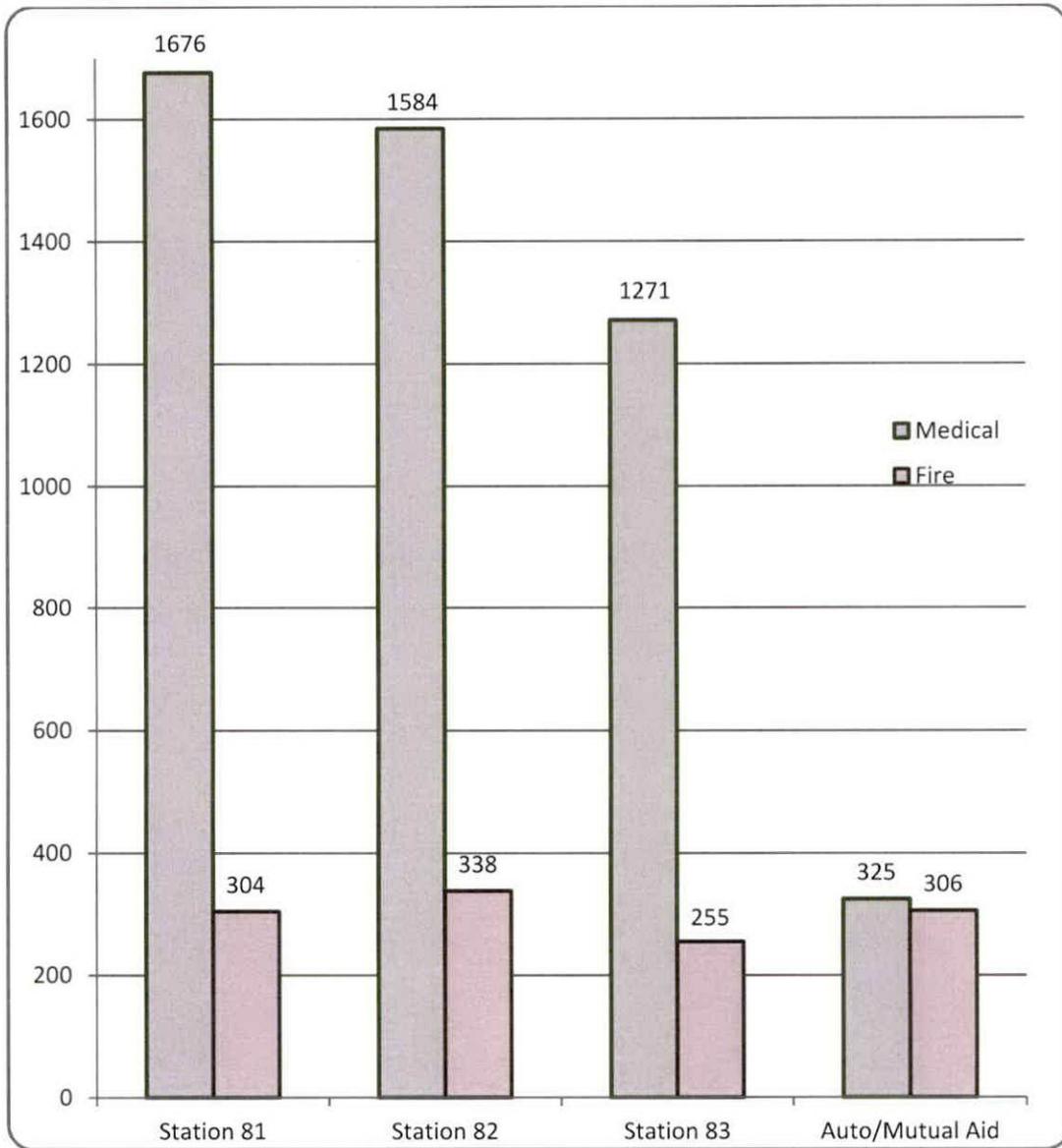
Type of Incident	Total of Incidents
100 Series – Fire	144
200 Series – Explosion	4
300 Series – Rescue & EMS	31
400 Series – Hazardous Conditions (no fire)	105
500 Series – Service Call	130
600 Series – Good Intent Call	476
700 Series – False Alarm & False Call	287
800 Series --Severe Weather & Natural Disaster	19
900 Series – Special Type	7

Total Fire & Medical Calls by Month

Month	Total Calls
January	523
February	460
March	511
April	439
May	496
June	497
July	564
August	578
September	543
October	472
November	495
December	481
	6,059



Fire and Medical Calls by Zone



Mutual/Auto Aid Calls = All Areas Combined

Station 84 response is 100% mutual/auto aid

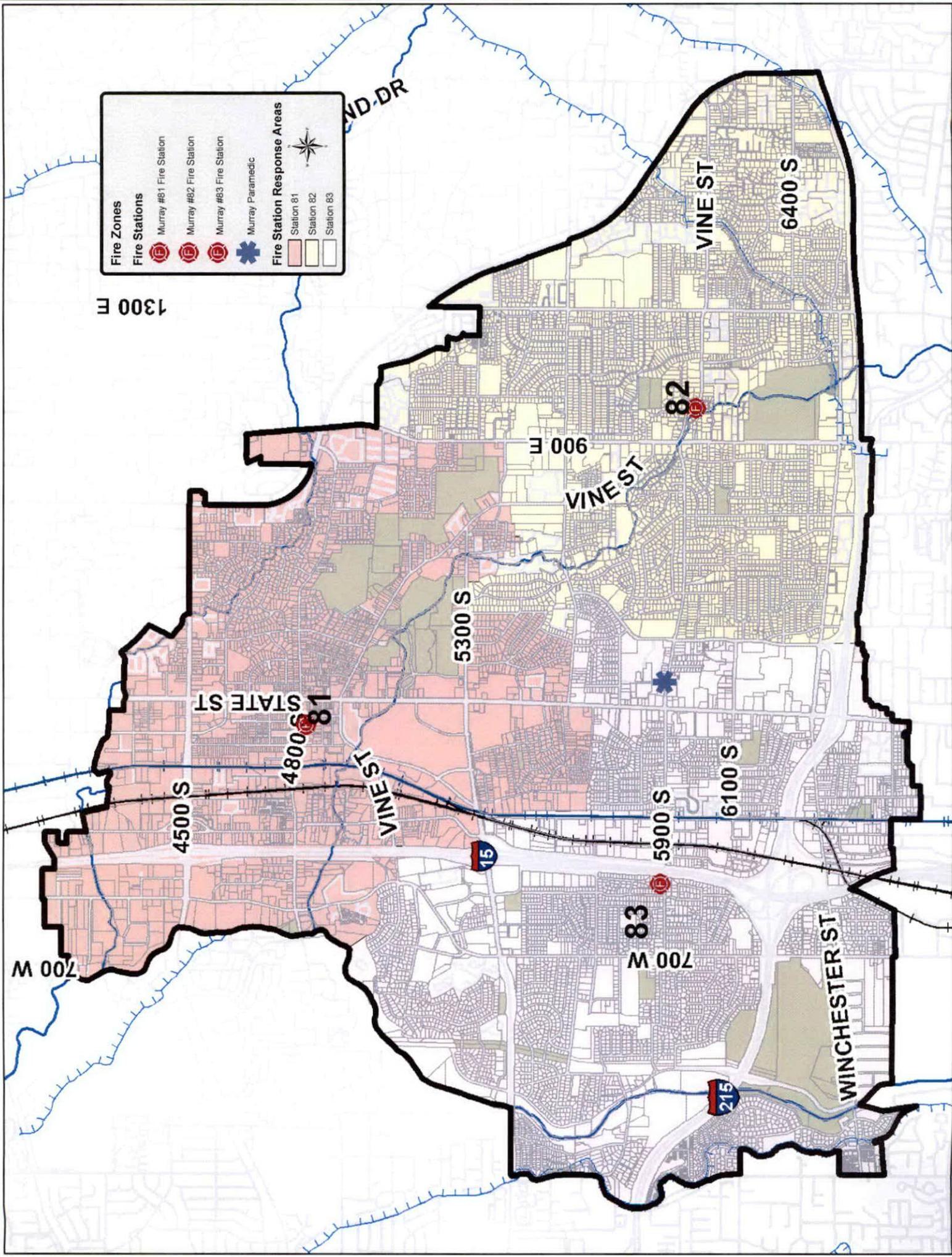
Fire Zones

Fire Stations

- Murray #81 Fire Station
- Murray #82 Fire Station
- Murray #83 Fire Station
- Murray Paramedic

Fire Station Response Areas

- Station 81
- Station 82
- Station 83



1300 E

Emergency Management

Disasters can strike at any time and it's important to have a planned response. We continue to prepare, respond and mitigate, and we encourage citizens to participate in preparedness programs.

Over the past 12 months, we participated in four disaster preparedness drills, including: 1) Utah Great Shakeout Earthquake Drill; "*Drop, Cover and Hold On.*" 2) Great Shakeout at The Park Center. This drill was a scenario based on a large hazardous materials leak of pool chemicals. 3) Murray amateur radio club drill for deployable radio assistance. 4) Activation of the EOC with department/division heads responding. This scenario entailed a train derailment, which ultimately had an effect on the community's power, water and housing.



Grants

The Murray City Fire Department continues to receive grant assistance from the Utah Bureau of Emergency Medical Services. Grant awards are based on per capita allocations. The Fire Department was awarded \$5,580 in per capita funds this year, which will be utilized for sending Firefighter Deena Walker to paramedic school, a course that will begin in January 2020.

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 \$14,000. This money will be used to purchase gas monitoring equipment for hazardous environments that both Police and Fire encounter.

The Emergency Management Performance Grant (EMPG) was applied for and received in the amount of \$8,000 to offset the salary for the emergency manager. No Competitive Grant funds were received this year.



Deployments

- The Green Ravine Fire started on Tuesday, September 3rd, just east of Lakepoint, Utah. Driven by erratic and gusty winds, the fire grew to several hundred acres within a few hours. A wind shift later that day, pushed the fire toward a neighborhood in Lakeside.

We received a request for our Type 6 aux, and two of our most skilled wild land firefighters quickly responded. About 110 people were assigned to the fire, which included several engine crews and three helicopters.

Although our team was only deployed for 48 hours, the fire continued to burn and remaining crews struggled to get control and protect communications infrastructure located at the summit of Farnsworth Peak, before suppressing the fire.

- On the evening of Sunday October 27th, local fire departments received notice of a special EMAC request from the State of California. Murray Fire Department was one of the first agencies to respond and to place personnel available with our type-6 wildland unit, Engine-683. We deployed on the morning of October 29th with one Task Force and one Strike Team, each with 40 personnel. The resources convoyed together to the destination at Cal-Fire Base in Ventura County where we joined other wildland units from California and across the western states. The area in Ventura County was experiencing a major Santa Ana wind event, which produced winds ranging from 50 to 80 mph. Several new fires had started in Southern Cal, and the very large Kincaid Fire was dominating Northern California.

We spent 2 days assigned to the Easy Fire near Thousand Oaks. We worked to get containment around homes and avocado orchards in the hills around the Ronald Reagan Library/Museum. This was a unique experience because of its national significance and high impact to a large population.

During the evening of our second day on the Easy Fire, another fire started about 25 miles away to the west and was growing with fierce intensity. The Santa Ana winds accelerated a quickly spreading fire in the mountains south of Santa Paula and NW of Camarillo, threatening more homes and critical utilities. This was the Maria Fire and our Task Force spent the next 3 days fighting fire and getting containment around it.

During this tour we gained valuable experience operating on a very large and complex fire in the Urban Interface. Daily we were given assignments to work alongside units from Southern California, New Mexico, Montana, Idaho, and with various BLM and Forest Service partners as well.



Community Involvement

One of the important aspects of being a firefighter is community involvement. Public service is a way of life for firefighters. In addition to providing station tours and educating the public on fire safety and how to protect their home, business, or family in the event of a fire or other catastrophe, they regularly get involved in charitable events, both on and off duty.

Following are just a few of the community events that firefighters participated in this year. In addition, Battalion Chief Treadwell organized a Firefighter Boot Camp for participation by both adults and youth in our community.

In May, firefighters joined forces with Costco to raise funds for the Children's Miracle Network hospitals.



June 21-22 – Murray City, along with our fire department staff, participated in the annual Relay for Life at Murray Park, raising just under \$800 toward the fight against cancer.



June 27 – The annual National Fallen Firefighter Foundation Golf Tournament was held at Talon's Cove in Saratoga Springs. As in the past, this tournament was organized by Murray Fire Department volunteers.



July 4 – The Fire Department was involved in the following activities at Murray City Fun Days: Parade, Tug-O-War, Water Spray, First Aid Booth, and the fireworks display.



August 5 – The annual Police and Fire Department Safety Fair was held at Murray Park. Fire Department exhibits included a booth with CERT information and swag for the children, rappelling, vehicle extrication demo, Life Flight, and fire sprinkler burn shed demonstration.



August 25-31 – Firefighters collected \$17,611.00 in the annual "Fill-the-Boot" fundraiser for MDA.



December 11 – An event promoting "Operation Cover-Up" was held at Station 82. In addition to the numerous coats and blankets that were collected, one company donated several thousand new blankets that will be distributed as needed across the country.

Murray Fire Station 81 - Relocation

Relocating Station 81 became necessary for the development of the new Murray City Center. This new two-story 23,255 square foot state-of-the-art fire station will replace the former headquarters built in 1979.

Construction of an affordable fire station to meet the needs of our department and community has been a challenge. Designing for quick response, community access and fitting into the neighborhood are all elements of the design. Looking at the data, assessing the operational needs and predicting the future needs of the department has been a tremendous undertaking.

The initial cost of building the station was increased extensively, as well as the construction timeline, when soil testing at the site came back with reports of toxins, which had to be dealt with. In the meantime, construction costs kept rising due to an increase in labor and construction materials.

To keep costs down, Fire Department staff have taken the initiative to explore their options for furnishings, including decorating, attaining outside bids, and even building some of the furniture themselves.

The new facility will not only support the needs of the fire department, but also the community. The current station has met the needs of the department for the past 40 years, but not without growing pains. Two portable buildings were added to the property in 2003; one to provide office space for the fire marshal and fire prevention division and the other as a classroom for departmental training and community oriented courses, and the building itself has been remodeled several times to accommodate personnel needs. With this in mind, the new building is being built to address the fundamental necessities of the fire service for the next 40 – 75 years.

This facility will continue as the department headquarters, as well as provide housing and sleeping quarters, a fitness room, space for education and training, equipment and vehicle storage, an area for filling and repairing of SCBAs, hazardous materials storage, and a community room for education and outreach programs. In addition, the fire marshal and fire prevention staff and chief officers will all be located in this building.

Responsibilities of fire departments across America have evolved from primarily fighting fires to vehicle extrications, a range of rescue incidents, advanced emergency medical services, hazmat response, etc. Just as fire trucks now hold additional gear, extrication tools and equipment, the fire station must also accommodate for the storage and repair of equipment, disaster preparedness and training for these incidents.

This facility is being built to include the most up-to-date lighting and electrical system, alerting system, training ground, and will include five apparatus bays.

Health and safety are critical for the personnel dwelling in the building. The increasing numbers of cancer in firefighters necessitates the designation of “zones” in fire stations to help limit personnel’s exposure to carcinogens and toxins upon returning from incidents. With firefighter safety at the forefront, we have incorporated secure engineering of gear rooms, as well as bunker gear washing, drying and storage racks, and an exhaust system in apparatus bays.

With these things in mind, we believe we are meeting the responsibilities to complete the project while being financially feasible and creating a building that will last well into the future.

