



# ANNUAL REPORT 2019



## Manitou Springs Fire Department

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## WORDS FROM THE FIRE CHIEF

Honorable Mayor, Members of City Council, Citizens and Business Owners of Manitou Springs,

The Manitou Springs Fire Department Annual Report provides a glimpse into the events and activities performed by our department and its members for the year.

2019 was a wonderful year for the department with many opportunities that favored our ability to provide fantastic professional service to our community. Of most importance, the department took delivery of a new Class A Engine that replaced a previous engine that had proudly served the community for 23 years.

As always, for the well-being of our firefighter's lives and the community they protect, training continues to be my most important focus. The Fire Department's training cadre is among the best, and this past year they maintained their direction to research and provide our members with some of the most progressive and relevant opportunities for All-Hazard responses. Additionally, numerous efforts made in 2019 continued toward developing a much needed training environment for firefighters. One of these efforts successfully garnered support through a significant grant from the Department of Local Affairs.

One of the city's greatest risks is that of a wildland fire. As seen in communities throughout the country, devastating wildfires are becoming more frequent and occurring during all seasons of the year. The City of Manitou Springs is situated in a valley below Pikes Peak that like communities in California, have foehn winds. These winds, known in the Pikes Peak Region as Chinook winds, mixed with our topography, fuels, and the right weather conditions, can create a recipe for uncontrollable wildfires. To combat this, and improve wildfire adaptability for the community, the Fire Department completed the city's first Community Wildfire Protection Plan (CWPP), and performed Wildfire Risk Assessments on every parcel within the city limits of Manitou Springs. These efforts along with tools to educate the public will help fuel discussions and guide mitigation efforts in the years to come.

On behalf of all of the members of the Manitou Springs Fire Department, I would like to thank our city's leaders and our community for your support, and wish you all a very safe and healthful 2020.

Sincerely,

John K. Forsett  
Fire Chief

## 2019 SUMMARY

Population: 5,346

Manitou Springs Area (in Sq. Miles): 3.3

Annual Budget: \$1,008,691.00

Salary & Benefits: \$763,717.00

Operations & Maintenance Budget: \$244,974.00

Major Capital Budget: \$632,480.00 (New Fire Engine)

Total personnel in Fire Department: 44

Total volunteer personnel: 38

Total full-time staff: 6 (1 EMT and 1 Paramedic per day)

Number of:

Stations	Engines	Medical	Brush Trucks	Tenders	Utility Vehicles	Specialty Vehicles
1	2	1	1	1	1	6

Total Incidents:

Fires	Ruptures	Rescues	Emergency Medical Service	Hazardous Condition	Service Calls	Good Intent Calls	False Alarms	Severe Weather	Special Incident Type
22	1	11	771	40	38	109	44	1	2

Firefighter fire deaths: 0

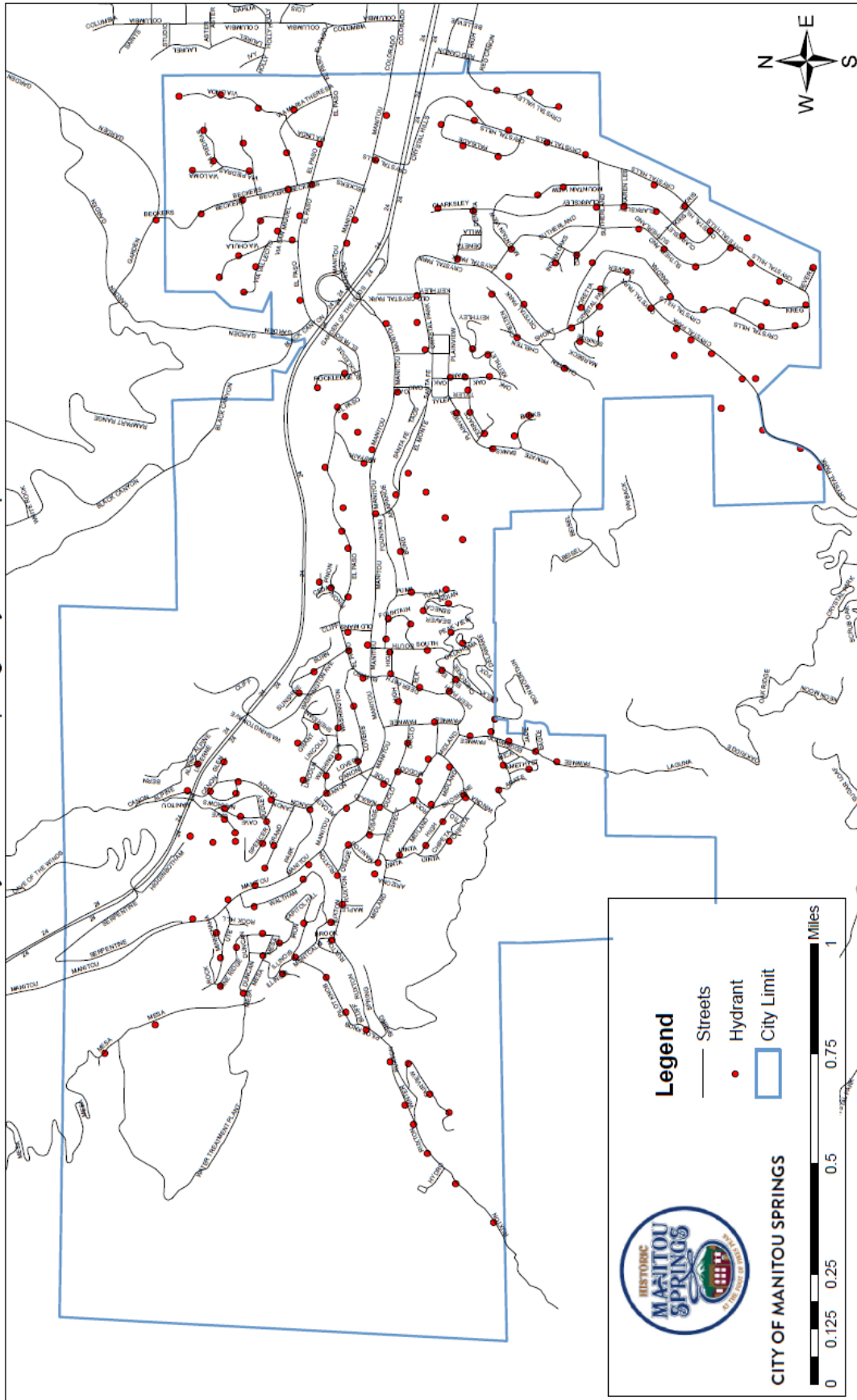
Firefighter injuries: 0

Civilian fire deaths: 0

Civilian fire injuries: 0

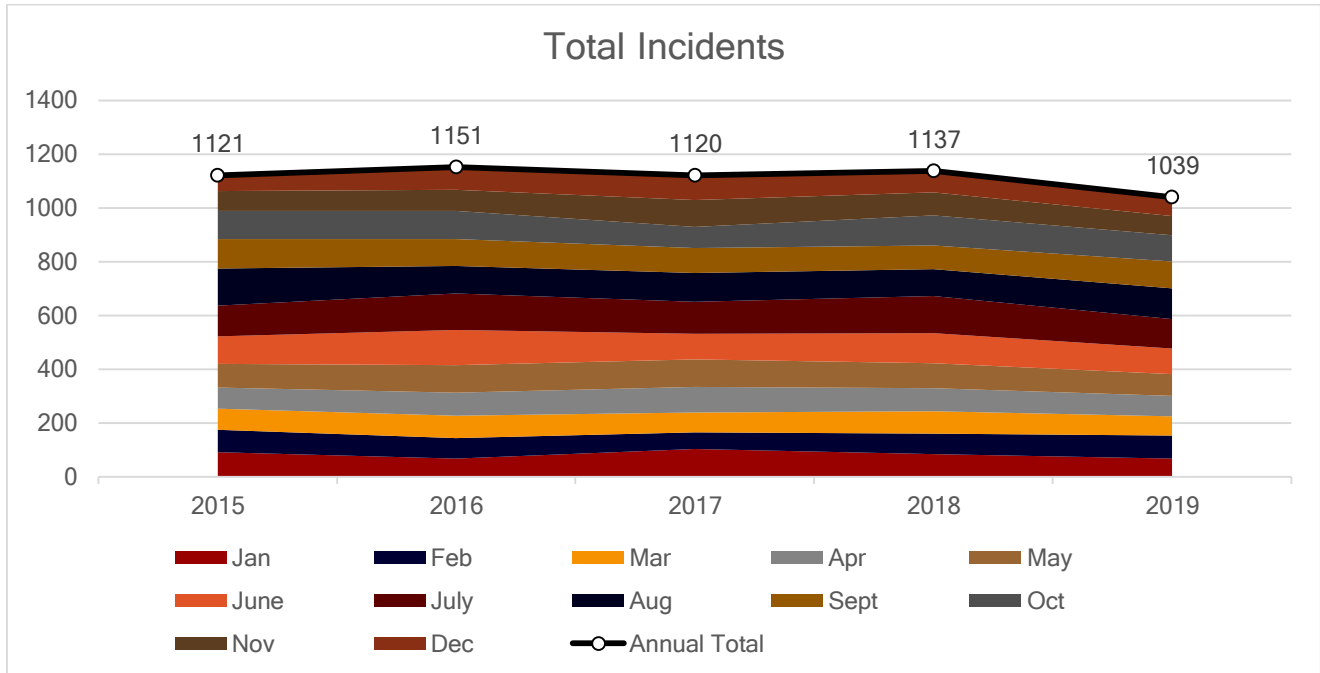
# MANITOU SPRINGS CITY MAP

City of Manitou Springs Hydrant Map

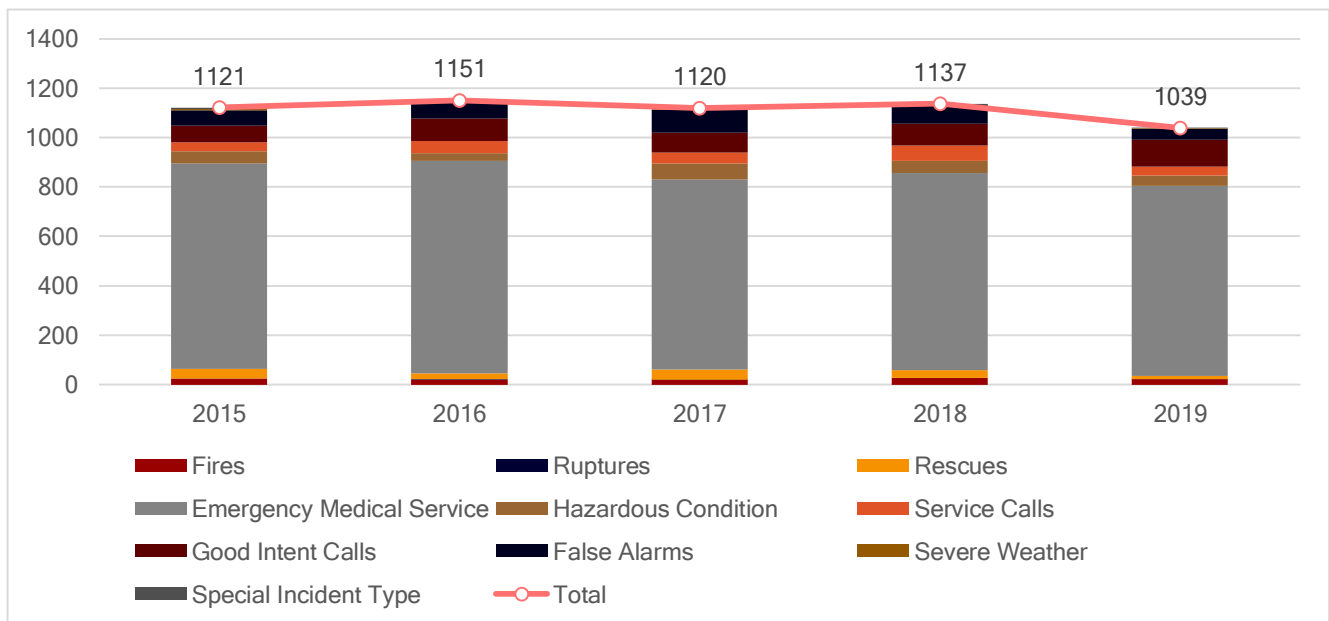


# TOTAL INCIDENTS BY YEAR

## Incident Overview



Year	Fires	Ruptures	Rescues	Emergency Medical Service	Hazardous Condition	Service Calls	Good Intent Calls	False Alarms	Severe Weather	Special Incident Type	Total
2015	25	0	38	833	48	36	68	62	5	6	1121
2016	20	1	25	859	31	51	90	69	1	4	1151
2017	19	1	41	769	64	45	80	93	4	4	1120
2018	27	0	31	799	49	61	90	74	1	5	1137
2019	22	1	11	771	40	38	109	44	1	2	1039

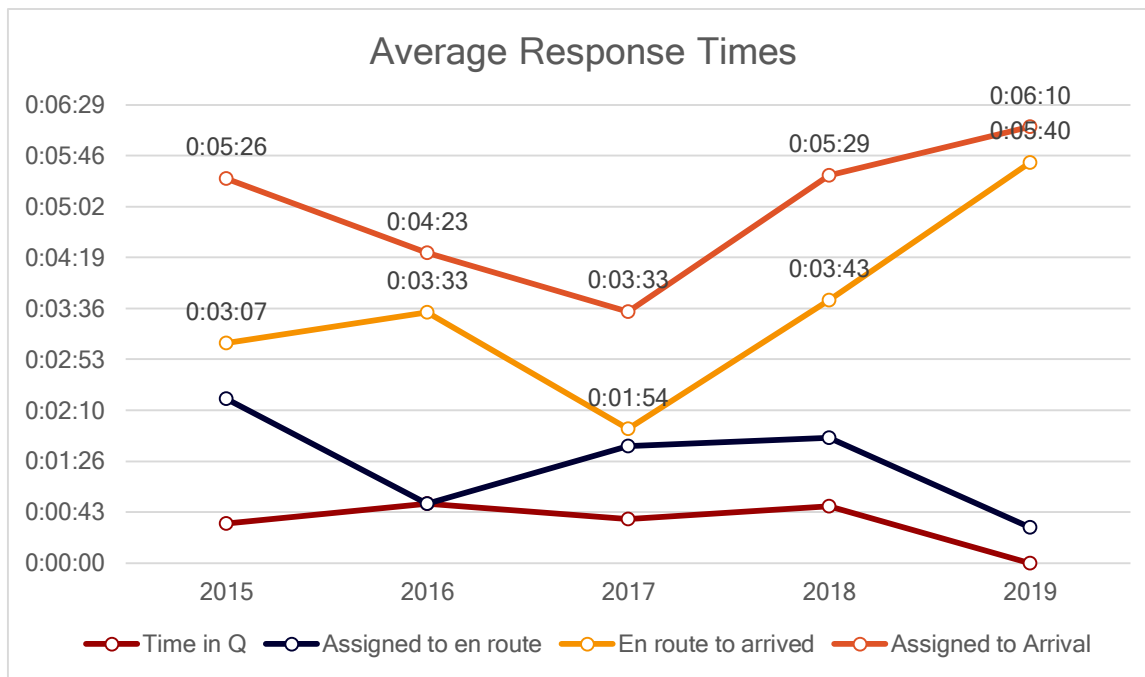




## 2019 DETAILED BREAKDOWN BY INCIDENT TYPE

INCIDENT TYPE	# INCIDENTS	% of TOTAL
100 - Fire, other	5	0.48%
111 - Building fire	1	0.10%
112 - Fires in structure other than in a building	1	0.10%
113 - Cooking fire, confined to container	6	0.58%
118 - Trash or rubbish fire, contained	4	0.39%
131 - Passenger vehicle fire	2	0.19%
142 - Brush or brush-and-grass mixture fire	2	0.19%
143 - Grass fire	1	0.10%
200 - Overpressure rupture, explosion, overheat other	1	0.10%
300 - Rescue, EMS incident, other	3	0.29%
311 - Medical assist, assist EMS crew	6	0.58%
320 - Emergency medical service, other	39	3.76%
321 - EMS call, excluding vehicle accident with injury	635	61.23%
322 - Motor vehicle accident with injuries	35	3.38%
323 - Motor vehicle/pedestrian accident (MV Ped)	3	0.29%
324 - Motor vehicle accident with no injuries.	51	4.92%
331 - Lock-in (if lock out , use 511 )	1	0.10%
340 - Search for lost person, other	1	0.10%
341 - Search for person on land	5	0.48%
343 - Search for person underground	1	0.10%
400 - Hazardous condition, other	1	0.10%
411 - Gasoline or other flammable liquid spill	7	0.68%
412 - Gas leak (natural gas or LPG)	16	1.54%
413 - Oil or other combustible liquid spill	1	0.10%
424 - Carbon monoxide incident	3	0.29%
440 - Electrical wiring/equipment problem, other	7	0.68%
442 - Overheated motor	1	0.10%
444 - Power line down	3	0.29%
445 - Arcing, shorted electrical equipment	1	0.10%
500 - Service Call, other	11	1.06%
520 - Water problem, other	4	0.39%
522 - Water or steam leak	4	0.39%
531 - Smoke or odor removal	1	0.10%
550 - Public service assistance, other	4	0.39%
551 - Assist police or other governmental agency	4	0.39%
553 - Public service	5	0.48%
554 - Assist invalid	3	0.29%
571 - Cover assignment, standby, moveup	2	0.19%
600 - Good intent call, other	21	2.03%
611 - Dispatched & cancelled en route	39	3.76%
621 - Wrong location	3	0.29%
622 - No incident found on arrival at dispatch address	15	1.45%
631 - Authorized controlled burning	1	0.10%
651 - Smoke scare, odor of smoke	20	1.93%
652 - Steam, vapor, fog or dust thought to be smoke	5	0.48%
653 - Smoke from barbecue, tar kettle	3	0.29%
671 - HazMat release investigation w/no HazMat	2	0.19%
700 - False alarm or false call, other	14	1.35%
711 - Municipal alarm system, malicious false alarm	3	0.29%
715 - Local alarm system, malicious false alarm	2	0.19%
730 - System malfunction, other	1	0.10%
733 - Smoke detector activation due to malfunction	5	0.48%
734 - Heat detector activation due to malfunction	4	0.39%
735 - Alarm system sounded due to malfunction	2	0.19%
736 - CO detector activation due to malfunction	1	0.10%
743 - Smoke detector activation, no fire - unintentional	8	0.77%
744 - Detector activation, no fire - unintentional	1	0.10%
745 - Alarm system activation, no fire - unintentional	3	0.29%
815 - Severe weather or natural disaster standby	1	0.10%
900 - Special type of incident, other	1	0.10%
911 - Citizen complaint	1	0.10%
<b>TOTAL INCIDENTS:</b>	<b>1037</b>	<b>100.00%</b>

## RESPONSE TIMES BY YEAR



### Arrival within 8 minutes of Dispatch: 87.42%

Time in 'Q': From answer of 911 call to Units Dispatched

Assigned to En route: Time from MSFD notified to wheels turning

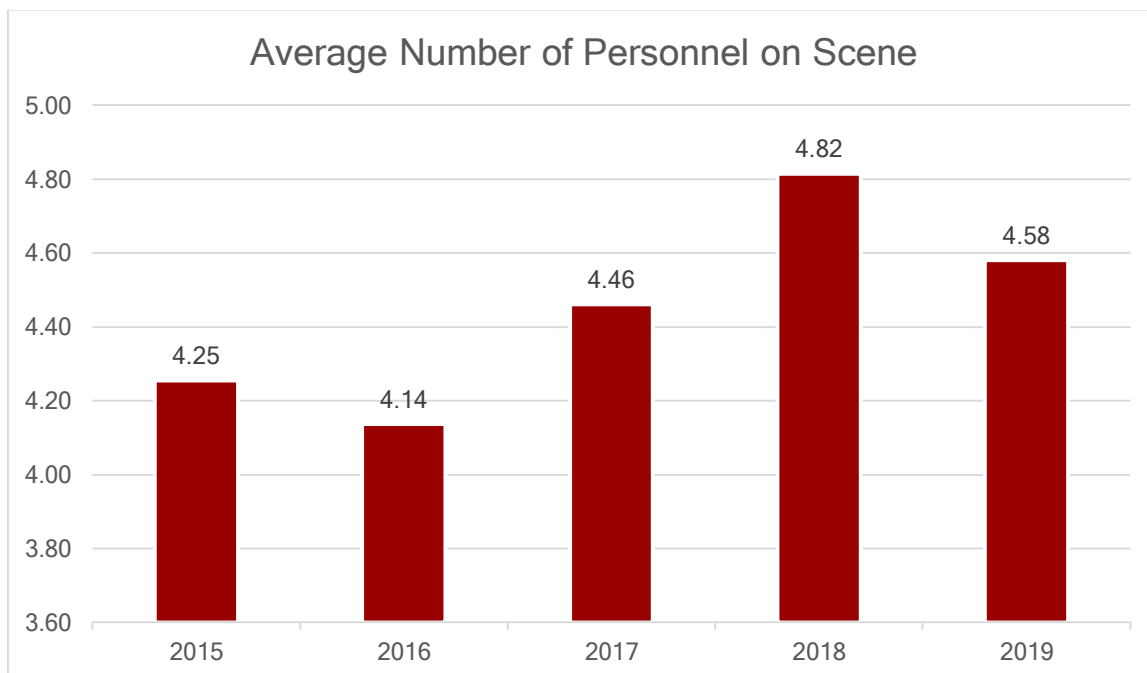
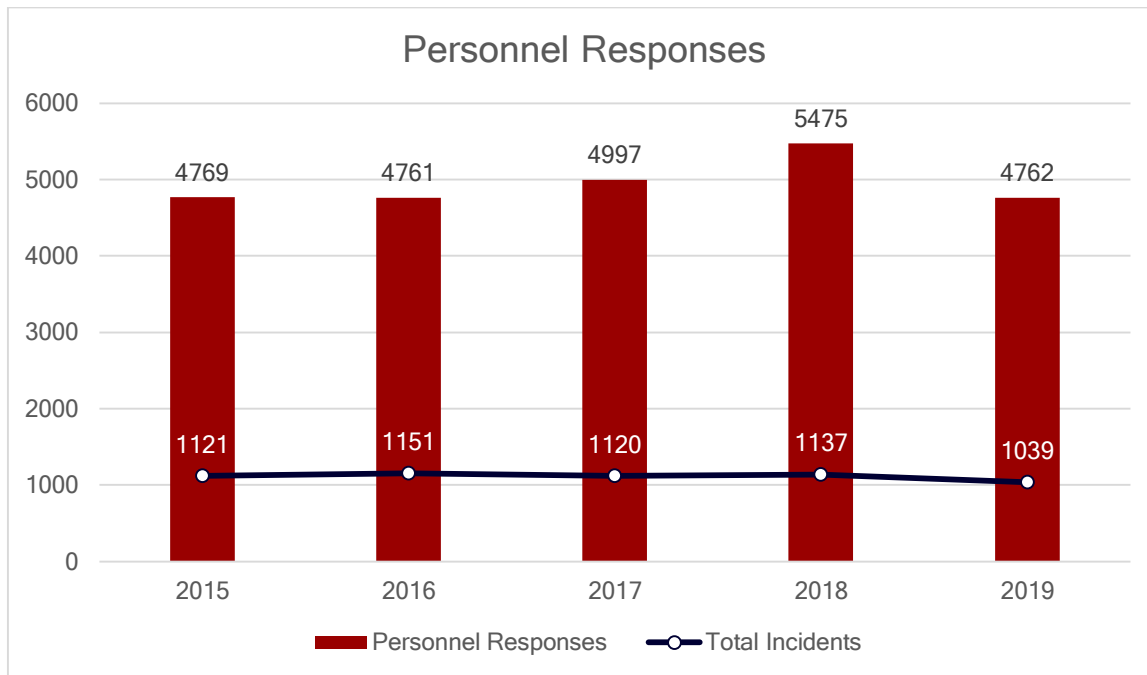
En route to Arrived: Travel time to scene

Assigned to Arrived: Time from MSFD notified to arrival on scene

\*Majority of calls with arrival over 8 minutes are associated with trail rescues



## NUMBER OF PERSONNEL RESPONSES PER YEAR



Average of 2 paid staff per call, remainder are volunteer personnel

## 2019 INCIDENT STATISTICS

INCIDENT COUNT	
INCIDENT TYPE	# INCIDENTS
EMS	782
FIRE	257
<b>TOTAL</b>	<b>1039</b>

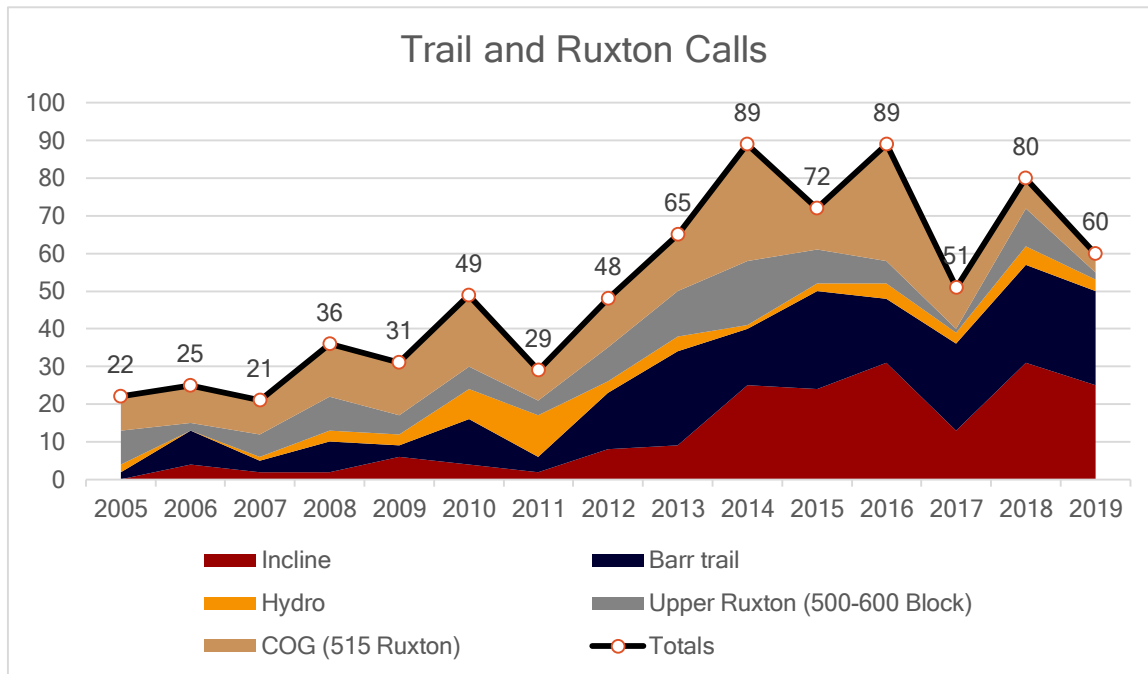
CO CHECKS	
424 - Carbon monoxide incident	3
736 - CO detector activation due to malfunction	1
<b>TOTAL</b>	<b>4</b>

MUTUAL AID	
Aid Type	Total
Aid Given	1
Aid Received	5

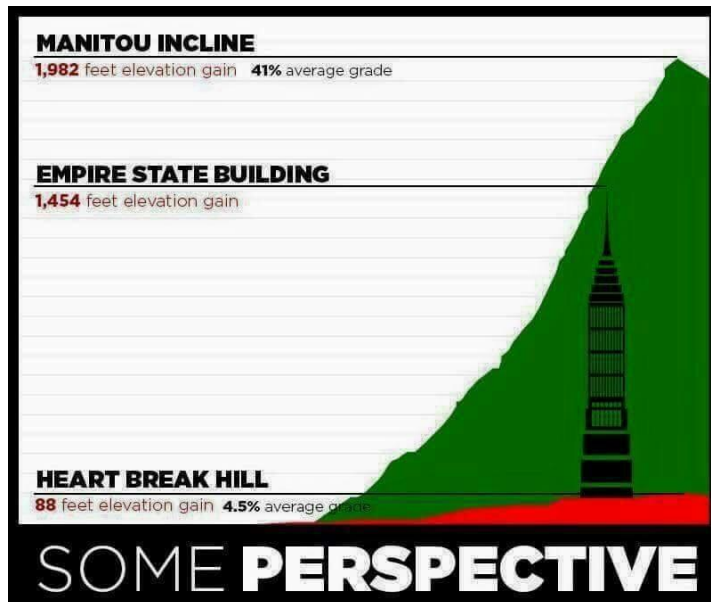
OVERLAPPING CALLS	
# OVERLAPPING	% OVERLAPPING
171	16.49

LIGHTS AND SIREN - AVERAGE RESPONSE TIME		
Station	Travel Time	Dispatch to Arrival
City of Manitou Springs Fire Department	0:05:40	0:06:10
AGENCY	AVERAGE TIME ON SCENE (MM:SS)	
Manitou Springs Fire Department	25:36	

# RESPONSES FOR COG RAILWAY, INCLINE, AND BARR TRAIL SYSTEMS



Calls for service on or near Incline, Barr Trail, Upper Ruxton, and COG Railway



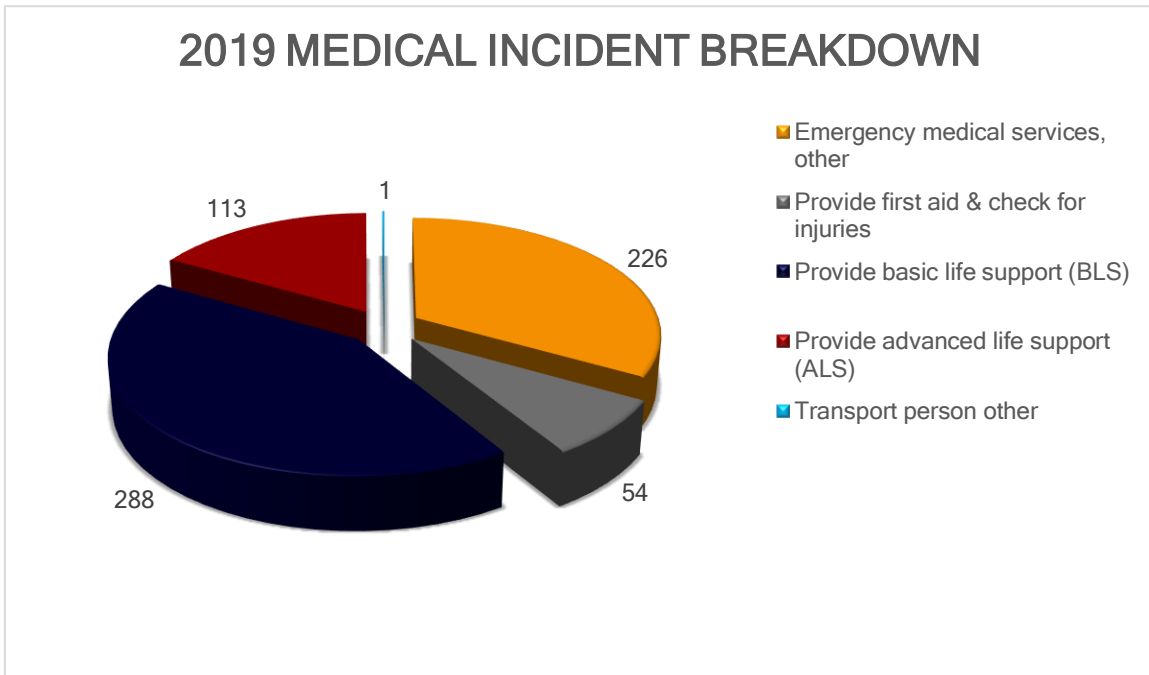
### Tips for the Incline:

- Wear weather appropriate clothing
- Use appropriate footwear (No sneakers, sandals, flip-flops)
- Hydrate, Hydrate, Hydrate
- Take your time
- Frequent breaks
- Avoid Midday if possible (The hottest part of day)
- This is an advanced level trail
- Avoid going down the Incline

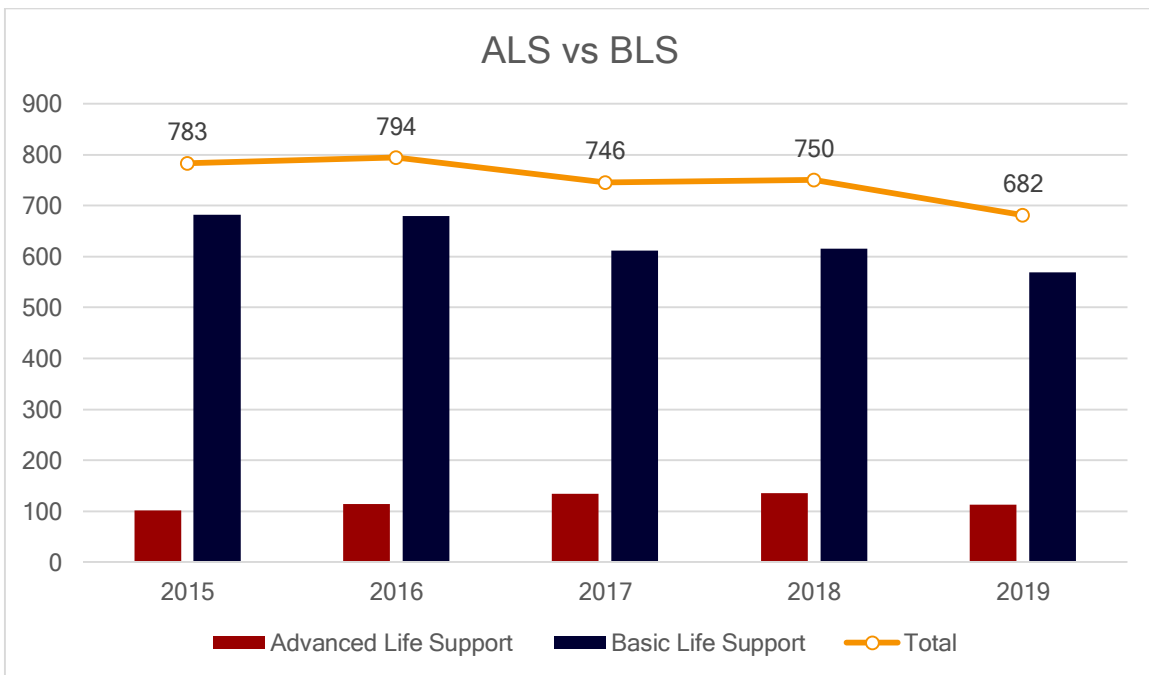
## FIXED PROPERTY USE (FPU)

FIXED PROPERTY USE	# INCIDENTS	EMS TOTAL	FIRE TOTAL
1 or 2 family dwelling	164	119	45
Amusement center: indoor/outdoor	1	1	0
Assembly, other	2	2	0
Bar or nightclub	6	6	0
Boarding/rooming house, residential hotels	9	8	1
Church, mosque, synagogue, temple, chapel	1	1	0
Convenience store	7	6	1
Dormitory-type residence, other	1	1	0
Educational, other	3	1	2
Electrical distribution	1	0	1
Elementary school, including kindergarten	3	3	0
Fire station	8	8	0
Fixed-use recreation places, other	2	2	0
Food and beverage sales, grocery store	17	15	2
Forest, timberland, woodland	2	0	2
General retail, other	1	1	0
Health care, detention, & correction, other	2	2	0
High school/junior high school/middle school	17	13	4
Highway or divided highway	78	54	24
Hotel/motel, commercial	66	50	16
Jail, prison (not juvenile)	2	2	0
Laundry, dry cleaning	2	1	1
Library	1	1	0
Mercantile, business, other	54	43	11
Motor vehicle or boat sales, services, repair	1	1	0
Multifamily dwelling	59	31	28
Museum	1	0	1
None	2	0	2
Open land or field	17	6	11
Outside or special property, other	164	128	36
Personal service, including barber & beauty shops	1	1	0
Pipeline, power line or other utility right-of-way	1	0	1
Playground	9	9	0
Police station	42	39	3
Railroad yard	1	0	1
Recreational, hobby, home repair sales, pet store	3	3	0
Residential board and care	1	1	0
Residential street, road or residential driveway	22	13	9
Residential, other	128	114	14
Restaurant or cafeteria	11	9	2
Roller rink: indoor or outdoor	1	1	0
Schools, non-adult, other	1	1	0
Service station, gas station	6	3	3
Specialty shop	9	7	2
Street or road in commercial area	36	30	6
Street, other	37	26	11
Swimming facility: indoor or outdoor	3	1	2
Textile, wearing apparel sales	3	1	2
Undetermined	3	0	3
Vacant lot	5	1	4
Vehicle parking area	15	14	1
Water area, other	1	0	1

# MEDICAL



Transport person other: Used when the person involved was transported by an outside agency to a non-medical facility.



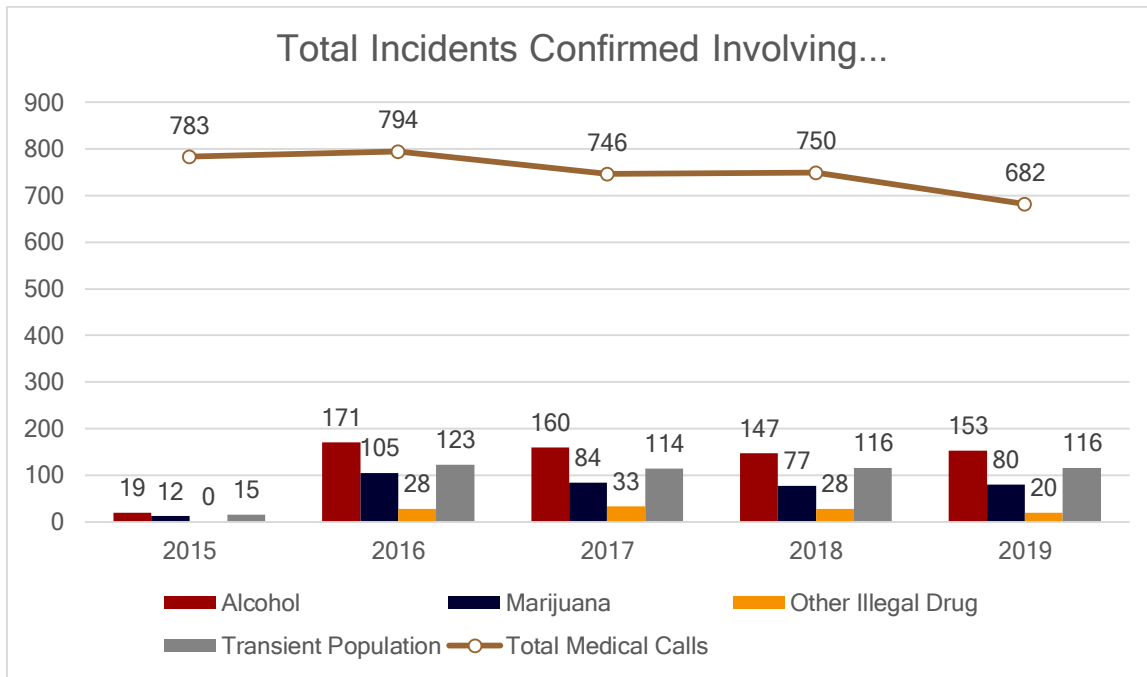
## BREAKDOWN BY PROVIDER PRIMARY IMPRESSION

PROVIDER'S PRIMARY IMPRESSION	# PATIENTS	% of TOTAL
Not Applicable	180	27.9%
Abdominal pain / problems	26	4.0%
Airway obstruction	1	0.2%
Allergic reaction	2	0.3%
Altered level of consciousness	38	5.9%
Behavioral / psychiatric disorder	61	9.4%
Cardiac arrest	4	0.6%
Cardiac rhythm disturbance	7	1.1%
Chest pain / discomfort	32	5.0%
Diabetic symptoms (hypoglycemia)	8	1.2%
Hyperthermia	7	1.1%
Hypothermia	2	0.3%
Obvious death	1	0.2%
Poisoning / drug ingestion	22	3.4%
Pregnancy / OB delivery	1	0.2%
Respiratory distress	29	4.5%
Seizure	18	2.8%
Stroke / CVA	12	1.9%
Syncope / fainting	45	7.0%
Traumatic injury	150	23.2%

**TOTAL # of PATIENTS: 646**

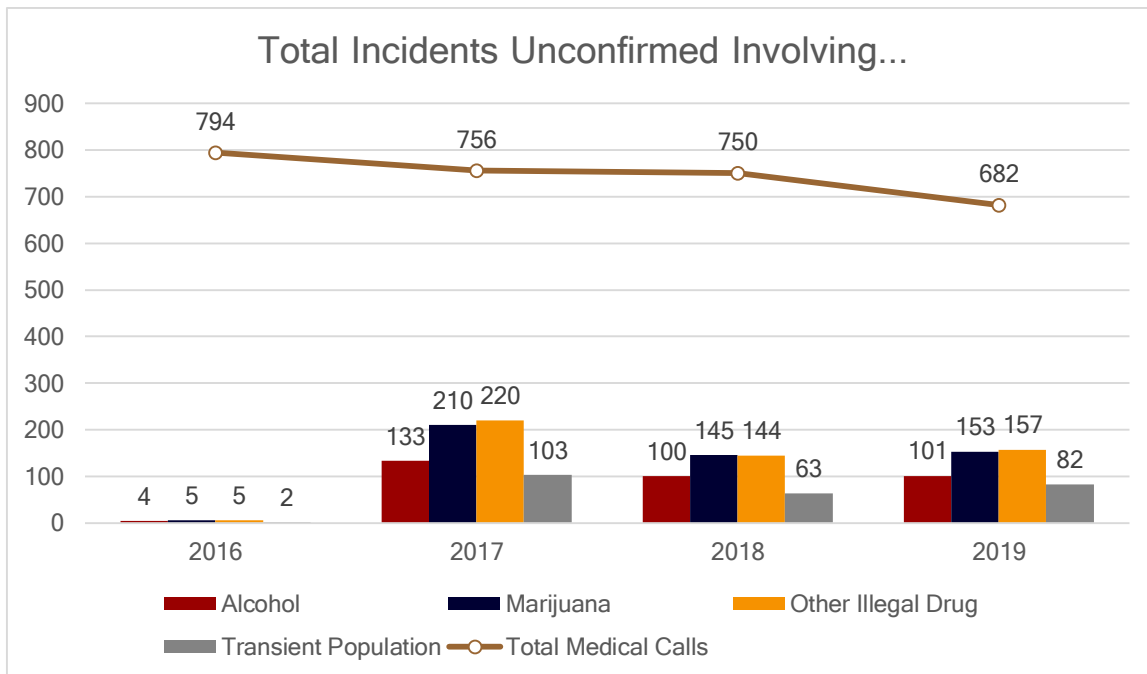


# ALCOHOL AND MARIJUANA RELATED



These incidents are confirmed cases involving above categories.

2015: Started collecting data late in the year due to legislative changes.



Unconfirmed: Unknown is selected when the party is unable to answer questions, unwilling to answer questions and there is a strong suspicion these categories are involved based on evidence at scene.

2016: Started collecting data late in the year.

# TRAINING

## Training Offered In-House:

Monthly Fire Training

Monthly Medical Training

Weekly Firefighter Skills Training

## Additional Classes/Academies Offered 2019:

Emergency Medical Training

CPR

Probationary Firefighter Academies

Officer Development

Driver Operator

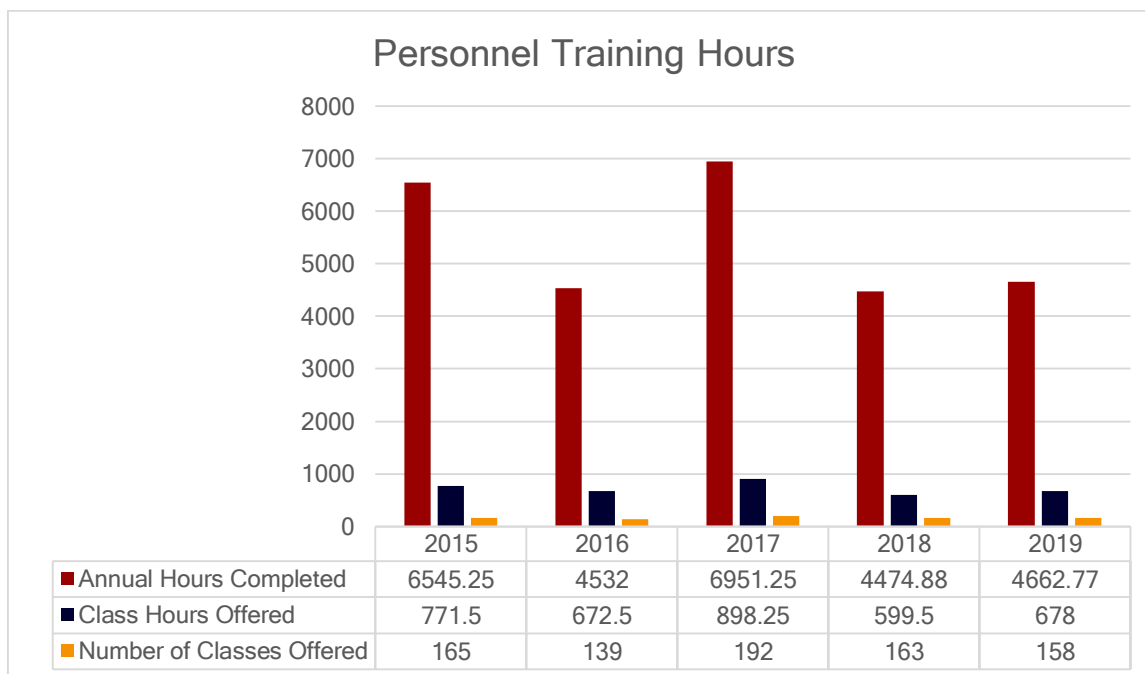
Mile High Conference

Forcible Entry

Wildland Fire Refresher

Wildland Firefighter Academy

Drone Training



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# EVENTS

**Annual Events assisted or sponsored by Manitou Springs Fire Department  
Volunteer Membership:**

Mardi Gras Carnivale

9 News Annual Health Fair

Down Syndrome Walk

Pikes Peak Marathon

Pikes Peak International Hill Climb

MDA Fill the Boot

Fire Prevention Week / Open House

Manitou Springs Homecoming Parade and Bonfire

Emma Crawford Coffin Races

Turkey Shoot Fundraiser

Holiday Food Baskets

Manitou Christmas Parade

Mercy Dinner at Miramont Castle

Santa at the Town Clock