



# City of Yuma Fire Department 2021 Annual Report



Family-Integrity-Respect-Excellence





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## From the Chief



Reflecting on the past year, the Yuma Fire Department has been busy, both in call volume and in reaching goals that were set in our 5-year plan Strategic Plan. The support we have received from our City Council and City Administration has allowed us to make some great improvements in some key areas. This has been, in part, due to the focus of strategic planning at the City level, and has allowed the Fire Department to continue focusing on the goals of our strategic plan.

The Yuma Fire Department has experienced an increase in call volume of 15% over 2020. Although impacts of the COVID-19 virus and illegal immigrants accounted for some of that increase, we have seen an increase due to growth in our community that will continue to

affect our service over the long term. The Yuma Fire Department team has proven to be prepared and able to adjust to whatever the challenge.

To be able to provide the best emergency services we continue to plan for Fire Station 7 which will serve the Southeast side of our community which is growing very rapidly. This station is in the design phase with groundbreaking to happen in mid-2022.

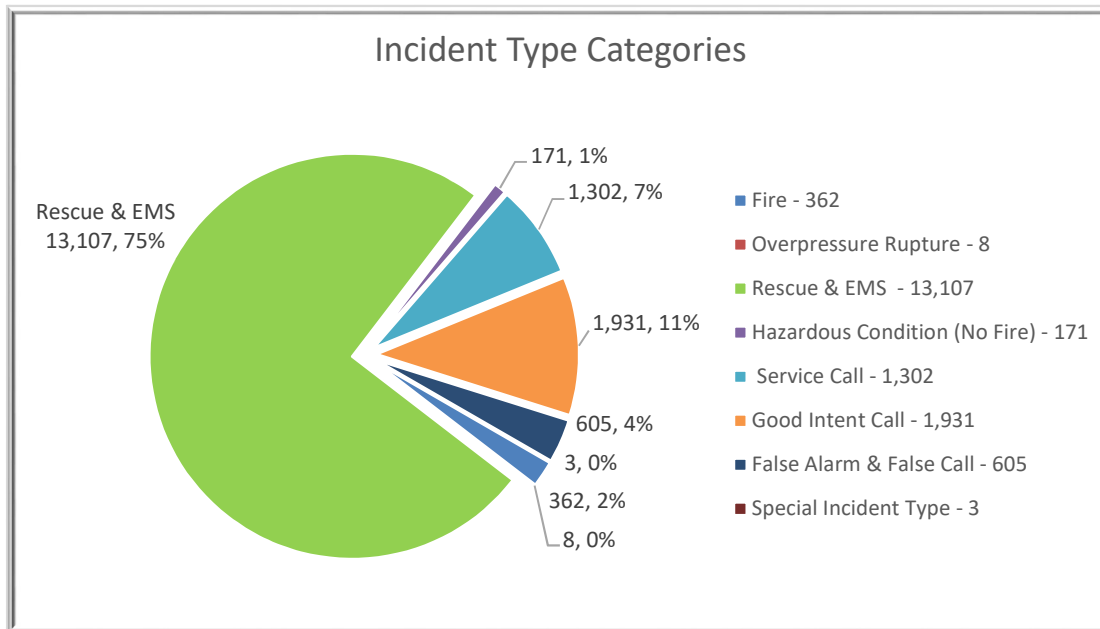
The health and safety of our employees is important to the Yuma Fire Department. This year, in the continued battle against cancer, we have completed the goal of providing a 2nd set of turnouts to all members of the department. We have also contracted with a new provider for annual physicals. This provider specializes in fire department physicals and provides enhanced services that look for cancer and cardiovascular illnesses that plague the fire service. This proved to be very successful as cancer was found in one of our members that would not have been detected as no symptoms of the cancer were felt. Preventive practices and early detection is the best defense against this disease and the Yuma Fire Department vows to continue looking for ways to protect its most valuable resource, our employees. Another benchmark achieved was getting our firefighters through fire ground survival. This program is an excellent program focused on saving our own. This program teaches self-rescue and provides increased skills and confidence to our firefighters for that time that I hope they never will need.

As we enter into 2022 the leadership of the Yuma Fire Department will change as I am set to retire on April 28, 2022, having served the community for more than 35 years. I could not be more blessed to have the privilege of working for this Department in the community I grew up in. The fire service has changed a lot in the time I have been here but the people have continued to serve with the same heart and compassion that they always have. Thank you for the honor of allowing me to serve.

God bless our first responders, stay safe.

The City of Yuma Fire Department (YFD) tracks and reports data to the National Fire Incident Reporting System (NFIRS) which is a division of the Federal Emergency Management Agency (FEMA). NFIRS is a reporting standard that fire departments use to report their calls for service ranging from fire to emergency medical services (EMS) to severe weather and natural disasters.

## 2021



Total Incidents  
**17,489**

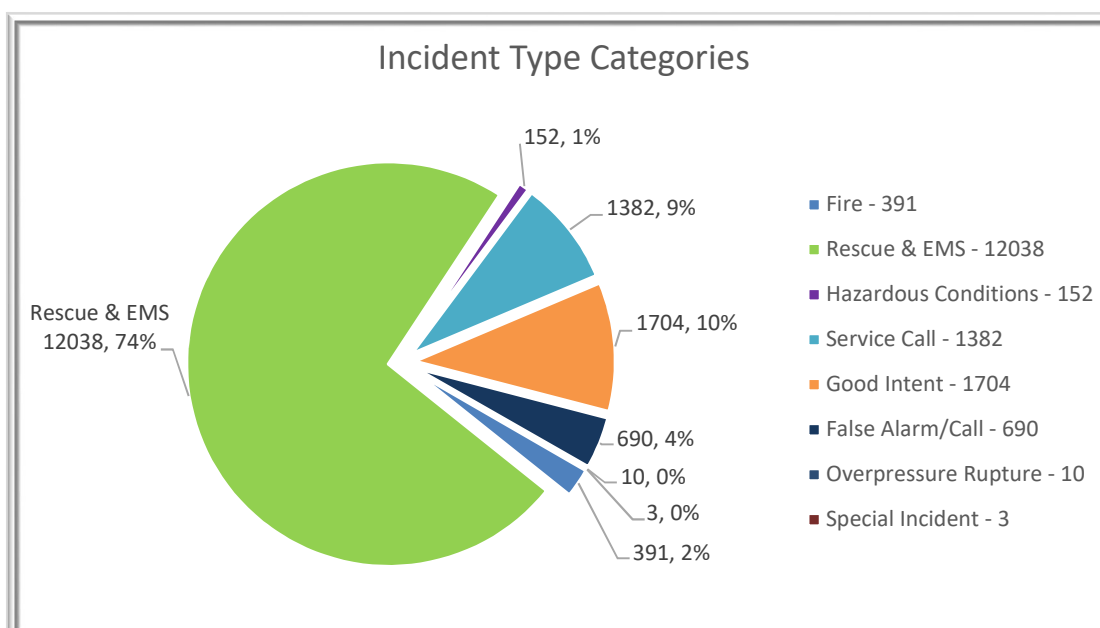
Average Response  
Time: **00:05:39**

90<sup>th</sup> Percentile  
Response: **00:08:08**

Average Calls Per  
Day: **48**

Average Turnout  
Time: **48 seconds**

## 2020



Total Incidents  
**16,379**

Average Response  
Time: **00:06:20**

90<sup>th</sup> Percentile  
Response: **00:09:04**

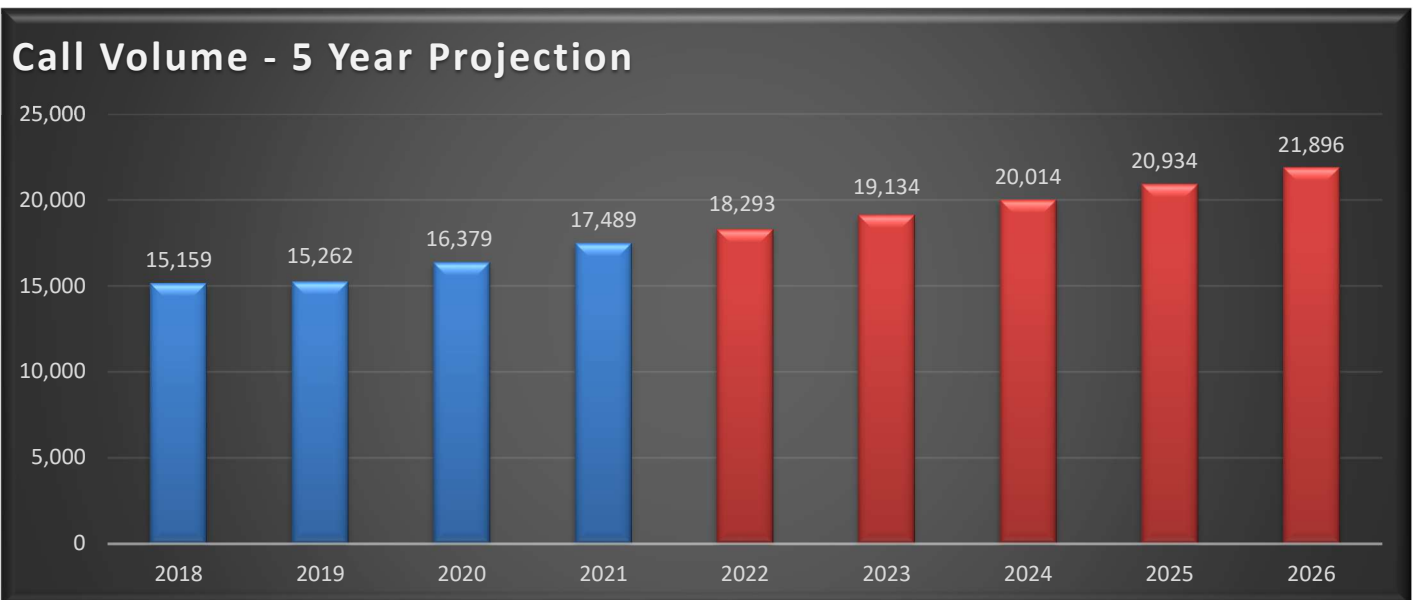
Average Calls Per  
Day: **45**

Average Turnout  
Time: **47 seconds**

# Call Volume Summary

## Call Volume Increases

The City of Yuma Fire Department's calls for service have been steadily increasing over the past several years. Data analysis indicates an average annual increase of 4.6%. A five year projection suggests the call volume will surpass 20,934 calls for service by 2025. These calls for service are indicative of the Yuma Fire Department personnel providing a knowledgeable, skilled, and professional service 24 hours a day, 7 days a week. Below is a graph indicating the steady increase in calls for service, and a five year projection, as well as incident typing for the past four years.



Type of Incident	2021	2020	2019	2018
Fire	362	391	289	295
Overpressure	8	10	11	7
Rescue & EMS	13,107	12,038	11,528	11,511
Hazardous Conditions	171	152	158	193
Service Call	1,302	1,382	926	871
Good Intent	1,931	1,704	1,651	1,591
False Alarm & False Call	605	690	692	684
Severe Weather	0	0	4	2
Special Incident	3	3	2	2
Other	0	9	0	4
<b>Total</b>	<b>17,489</b>	<b>16,379</b>	<b>15,262</b>	<b>15,159</b>

# Administration

The **Administration Division** is responsible for meeting funding needs of the department within budgetary guidelines and facilitating changes in personnel status and payroll. In addition, this division compiles and analyzes statistics from the department's operating divisions that include productivity, response times, and other quality measurement factors. Heavy involvement in short and long term planning is needed to achieve the highest level of effectiveness and efficiency in order to meet the goals of the City Council and needs of the citizens.

## Accomplishments during Fiscal Year 21/22:

- Certified Ambulance Coder -- Karina Espinoza
- Grand Re-opening of Fire Station 4 - 6/21
- Station 6 bay-door safety enhancement installation
- Two sets of turnouts for each employee completed
- Added additional team members to the YFD CISM program
- Electronic exposure reporting form updated for easier submittal through chain of command
- Ordered two fire pumpers to replace Engine 4 and Engine 2. One of which will be an aerial device.
- Updated station alerting for Station 4
- Trained 2 Technical Rescue Technicians (Prescott, AZ)
- Updated and approved mutual aid agreements with Somerton and Martinez Lake Fire Departments
- September 11 remembrance event – 9/11
- Station 7 build committee approved the layout of the new Fire Station.
- Additional radio harness purchased for front line medic units
- Enhanced annual medical physicals to meet NFPA 1582
- Added a day car (additional ambulance) to offset the ambulance load for area 3 and 4
- Completed initial roll-out of the Fire Ground Survival course to the whole department
- Ordered two ambulances to replace Medic 1 and Medic 3.
- New iPad based inspection software implemented by CRR Division.
- Replaced all Mobile Data Terminals in all frontline and reserve fire apparatus with iPad Pros
- Replaced the gas operated saw on Ladder 1 with a new electric rotary saw, enhanced on scene lighting equipment on all frontline apparatus with electric stream lighting.

## Grants Received

- Water Rescue Equipment  
-Department of Forestry and Fire Management
- Rope Rescue Class  
-Yuma County Emergency MGMT
- Special Operations Drone Package  
-Department of Forestry and Fire Management

	FY 2019	FY 2020	FY 2021	FY 2022
<i>Personnel</i>	\$16,797,091	\$16,975,733	17,258,511	13,622,730
<i>Operating</i>	3,022,438	4,122,739	3,794,375	5,543,056
<i>Capital Outlay</i>	775,457	805,140	308,818	711,436
<i>Debt Service</i>	44,956	48,361	52,024	52,023
	\$20,639,972	\$21,951,973	\$21,413,728	\$19,929,453

<i>Authorized Personnel</i>	FY 2020	FY 2021	FY 2022
<i>Administration</i>	5	5	5
<i>Professional Services</i>	2	2	2
<i>Operations</i>	125	125	125
<i>Community Risk Reduction</i>	5	5	6



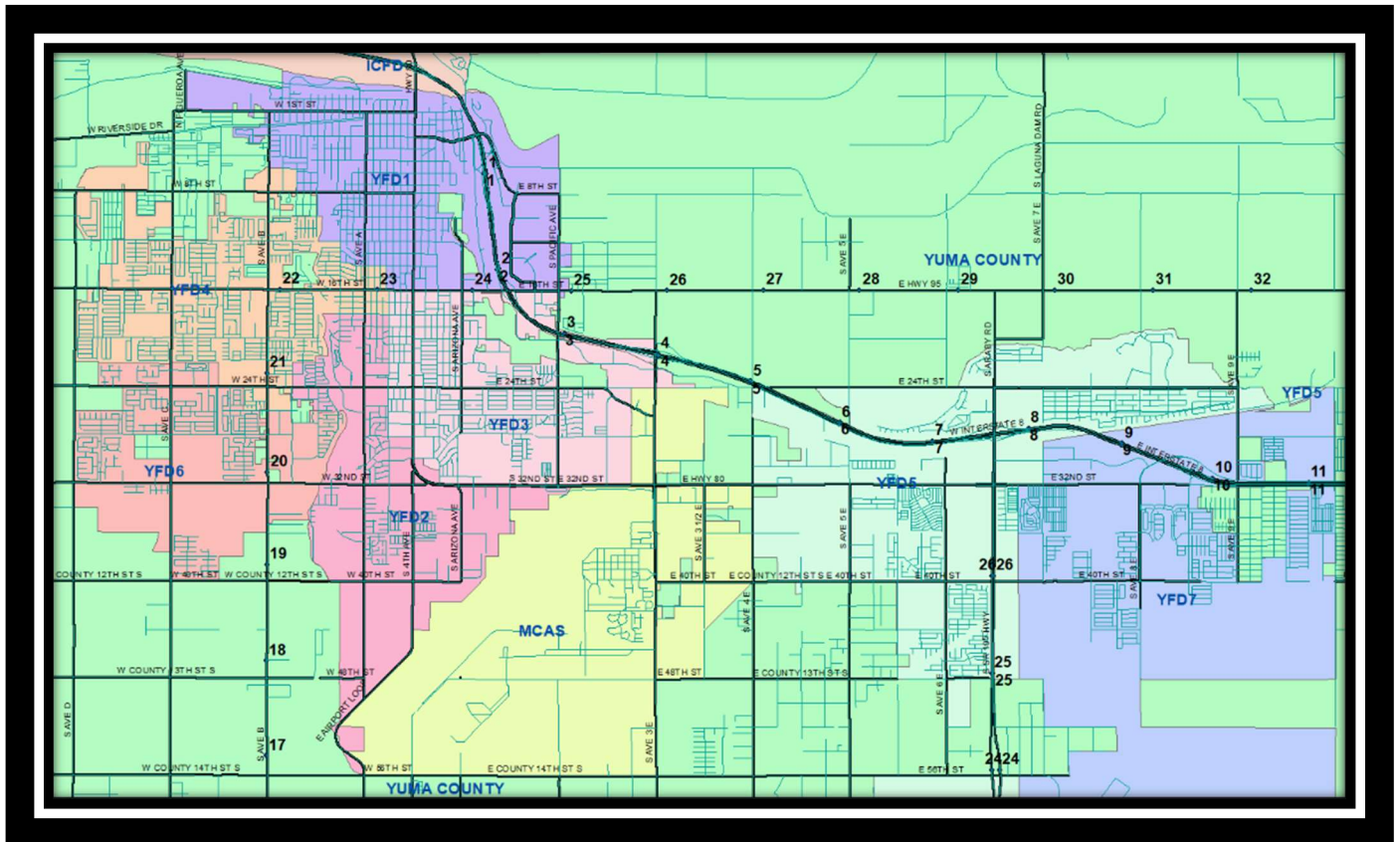
# Fire and Emergency Services (Operations)

The **Operations Division** provides the point of service for all risks in the community. These risks include fire, emergency medical services, technical rescue, and hazardous materials releases. *Emergency medical services* (EMS) are the primary and most frequent calls for service to which YFD responds. In 2021, YFD responded to 17,489 calls for service. There were 12,544 EMS calls, which accounted for 71.7% of YFD's total call volume, and 4,945 other related emergencies. The division is comprised of three rotating shifts, each led by a battalion chief, along with a fleet management for our emergency vehicles.

## Incident Count by Station

Station	2021 Incidents	2020 Incidents
Station 1	4,059	3,973
Station 2	3,213	2,835
Station 3	4,381	4,113
Station 4	2,649	2,459
Station 5 (YE05 / YE07)	2,216	2,076
Station 6	969	901
MCAS (Automatic Aid)	276	222
County/ICFD (Mutual Aid)	275	254

Average Incidents Per day: 48





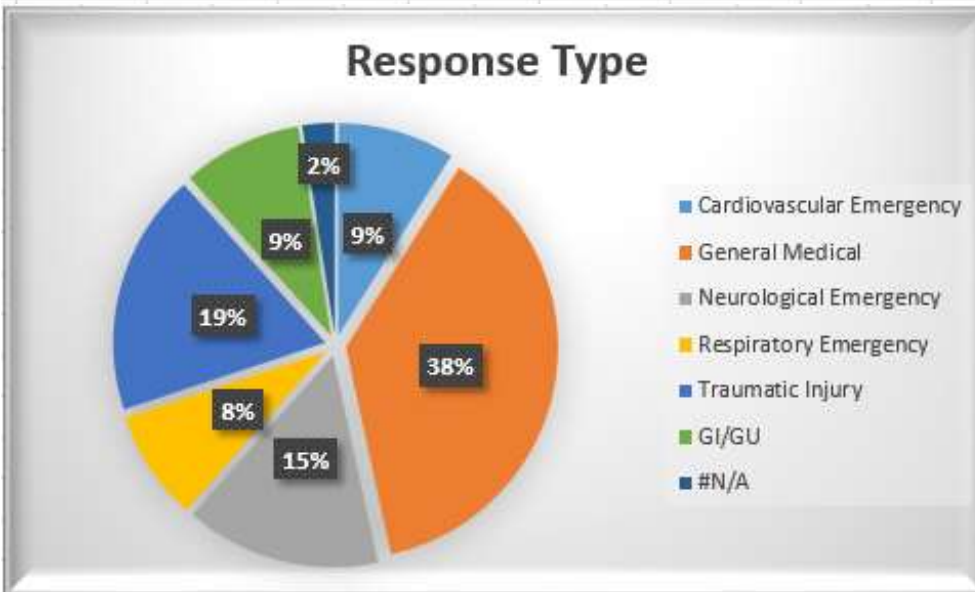
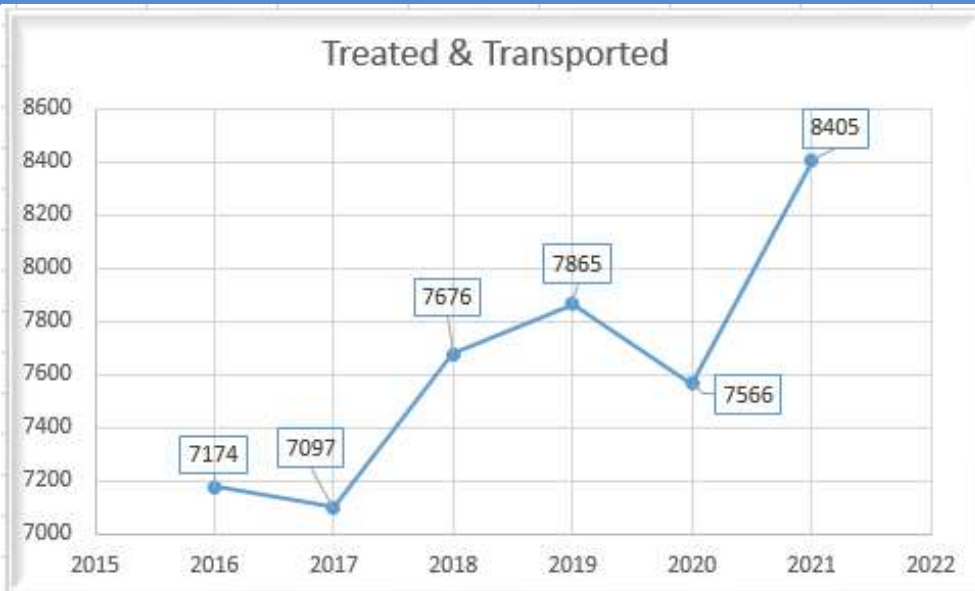
# Emergency Medical Services

The **Emergency Medical Services** provides all Advanced Life Support (ALS) transports within its boundaries – including all county islands that reside in those boundaries. The State of Arizona Department of Health Services has issued a Certificate of Necessity (CON) that allows the City of Yuma Fire Department to provide ambulance transport service. The City of Yuma Fire Department responded to 12,544 calls for medical service in 2021. Eight thousand four hundred five (8,405) of those calls for service resulted in a transport to the hospital for further evaluation.

Our CON times revolve around our priority one treated/transported patients. We must have a medic unit on scene of these calls in 7 minutes or less 90% of the time, and 11 minutes or less 99% of the time.

CON Times for 2021	
7 minutes or less	91%
11 minutes or less	99%

## Treated and Transport Summary



### 2021

- Total EMS Calls for service: **13,107**
- Total Transports for 2021: **8,405**
- Average transports per day: **23**

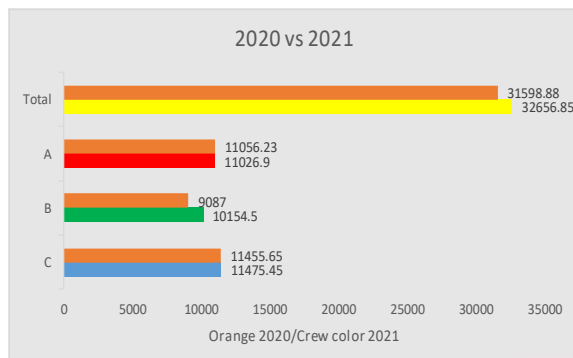
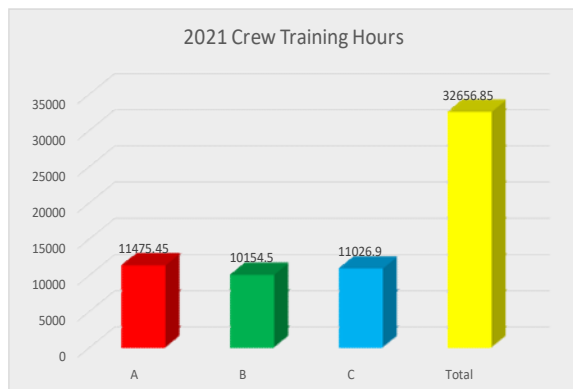


# Professional Services Division

The **Professional Services Division** is responsible for providing and facilitating department training, conducting internal affairs, succession planning, and accreditation. In addition, the Professional Services Division conducts many other training and administrative responsibilities. The goal of training is to ensure that all department personnel maintain the knowledge, practical skills, and abilities to provide efficient, professional care and service to the citizens of Yuma.

## Accomplishments:

- 36+ Hours of classroom CEU training
  - Fire ground Survival
  - TRT (Water Rescue Ops)
  - Engineer Academy
  - Captain Academy
  - FF hiring process
  - Engineer Promotion Process
  - Captain Promotion Process
  - Hiring Committee
  - EVOC
  - NFA WUI 2 day course
  - Minimum Company Standards
  - COVID Related training
  - 6 CEP Students completed program
  - 2 Personnel completed TRT program
  - Sponsored 3 personnel Instructor 1 course
  - Sponsored 3 personnel Instructor 2 course
  - Sponsored 3 personnel Fire Officer 1 course
  - Sponsored 3 personnel Fire Officer 2 course
  - Trained 12 personnel for Incident Safety Officer
  - Sponsored personnel Virtual ICS 300 course
  - Railroad training car with UPRR
  - Car Fire Live Burns/Foam testing
  - Crew led Ventilation training
  - Crew led Vehicle extrication training
  - Annual Ammonia training
  - UPRR Cryo car hands on training
- \*\*Many Trainings Cancelled or Modified Due to COVID 19.**



## PSD Improvements:

- 2 ALS Manikins
- PSTF Streets Calendar
- Forcible Entry Prop
- Security Cameras
- South gate prox card reader
- Radio/Microwave Tower
- Porta Tank
- Haz Mat Props
- Solar Props
- Sunscreen dispenser
- New Staff Vehicle ordered
- Refurbished Ventilation Prop.



# Community Risk Reduction

**Community Risk Reduction (CRR)** in the City of Yuma consists of four elements: engineering, education, enforcement, and evaluation. The division is responsible for construction plan review, public education, fire inspections, and fire origin and cause investigations. The mission is to increase safety education and fire code compliance, while reducing the number of injuries and deaths caused by fire.

The division achieves this mission through a targeted property maintenance program for commercial fire inspections, after incident investigations, focused public education programs to include all age groups, and the administration of fire protection and safety grants for the installation of smoke alarms and residential Knox Boxes in homes. This division is also actively involved in pre-development issues to ensure public safety is incorporated before problems occur in construction phases. The division also provides training and education to youth who are referred to us due to their fire setting behavior.

### 2021 Activities

<b>1617</b>	Fire Inspections	<b>407</b>	Construction Inspections
<b>45</b>	Fire Investigations	<b>84</b>	Complaint/Referrals
<b>987</b>	Plan Reviews	<b>369</b>	Hours of Training
<b>340</b>	Pre-Development	<b>376</b>	Job Site Meetings
<b>796</b>	Code Consultations	<b>493</b>	Request for Records
<b>17</b>	Smoke Alarm Installations	<b>38</b>	Residential Knox Box
<b>138</b>	Fire Activity Permits Issued	<b>45</b>	Classes Taught
<b>69</b>	Media Appearances	<b>357</b>	Media Contacts
<b>108</b>	News Releases	<b>741</b>	Social Media Posts

\*\*Many in-person classes were delayed or modified due to COVID 19

### CRR Projects

Risk Category	# of Properties	Total Task Time (Hours)	Frequency	Inspection Time Required
High	967	5	1	4835
Medium	864	4	0.5	1728
Low	1561	3	0.33	1545
<b>Initial Inspection Hours Needed:</b>				<b>8108</b>
<b>50% additional time for re-inspections:</b>				<b>4054</b>
<b>Total Inspection Hours Needed:</b>				<b>12162</b>
<b>Annual hours available for inspectors (based on a 10-year YFD average 42%)</b>				<b>873</b>
<b>Inspectors needed to reach minimum inspection frequencies:</b>				<b>14</b>

- New fire inspection software was set up and implemented, updating and streamlining the process to a cloud based solution

- FP&S grant administration for smoke alarms and Knox box installations

- New fire inspector was hired to fill a vacancy created by a retirement

- Youth Fire Setter training was provided to staff, and the program was updated for the community

- Partnership was provided for the re-write of the Community Wildfire Prevention Plan

- Grant funding was secured for fuel reduction in the West Wetlands area

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#### POSITIONS IN CRR

2021	6
2020	5
2019	5
2018	5
2017	5
2016	5
2015	4
2014	2.5
2013	3
2012	3
2011	3
2010	5

# Employee Recognition

**OFFICER OF THE YEAR**



**JORDAN BOWERS**

**FIRE CAPTAIN**

**ENGINEER OF THE YEAR**



**JAIRO FUENTES**

**FIRE ENGINEER**

**FIRE FIGHTER OF THE YEAR**



**FERNANDO QUINTERO**

**FIRE FIGHTER**

**SUPPORT PERSON  
OF THE YEAR**



**KARINA ESPINOZA**

**ADMINISTRATIVE  
ASSISTANT**

# Employee Recognition

## 2021 OF THE YEAR AWARDS

**E.M.T. OF THE YEAR**



**ALBERT HERNANDEZ**

*FIRE FIGHTER /EMERGENCY  
MEDICAL TECHNICIAN*

**EMERGENCY MEDICAL  
DISPATCHER OF THE YEAR**

**SELENA VASQUEZ**

*911 EMERGENCY DISPATCHER*

**PARAMEDIC OF THE  
YEAR**



**CARLOS MUNOZ**

*FIRE FIGHTER / CEP*



## LIFE SAVING AWARD



**CALE ZIMMER  
FIRE FIGHTER**



**LIFE SAVING AWARD— AWARDED TO ANY UNIFORMED MEMBER OF THE DEPARTMENT WHO, IN THE PERFORMANCE OF DUTY WHILE ON A CALL, UNDER HAZARDOUS CONDITIONS, IN WHICH THE MEMBER CONFRONTED WITH GREAT PERSONAL RISK DURING A LOW FREQUENCY HIGH RISK INCIDENT. DURING THIS INCIDENT, A LIFE WAS SAVED BECAUSE OF THE TRAINED ACTIONS OF THE MEMBER. THE MEMBER DID NOT VIOLATE SAFETY PRE CAUTIONS BUT USED TRAINING AND JUDGEMENT TO RISK THEIR LIFE FOR ANOTHER. EXAMPLES- PULLING A VICTIM FROM A SMOKE FILLED BUILDING, TOWER RESCUE, CONFINED SPACE RESCUE, ETC.**



# Employee Recognition

## 2020 EMPLOYEE OF THE QUARTER

**FIRST QUARTER**



**Karina Espinoza**  
Administrative Assistant

**SECOND QUARTER**



**Alvin Luedtke**  
Fire Captain / CEP

**THIRD QUARTER**



**Fernando Quintero**  
Firefighter / CEP

**FOURTH QUARTER**



**Jordan Bowers**  
Fire Captain

## 2021 "COBRA" AWARD



**RUBEN RAMIREZ**  
FIREFIGHTER / CEP

## Award of Service



**RICHARD ROOT**  
BATTALION CHIEF

# Promotions and Assignments

Ryan Johnson



**Fire Captain**  
**May 31, 2021**  
**PSD – Training Captain**

Adrian Aust



**Fire Engineer**  
**August 9, 2021**  
**B-Shift / Station 3**

Justin Zahn



**Fire Engineer**  
**September 13, 2021**  
**B-Shift / Station 4**

**2021 Retirements**

**Daniel Padilla  
Fire Captain / CEP**



**Retired  
May 27, 2021  
31 Years, 4 months**

**Tony Brinson  
Fire Inspector**



**Retired  
July 7, 2021  
22 Years, 11 months**

**Mark Cawood  
Fire Engineer / CEP**



**Retired  
September 9, 2021  
20 Years, 8 months**

**David Padilla Sr.  
Firefighter / CEP**



**Retired  
October 26, 2021  
26yrs, 1month**

# Yuma Fire Department

## Core Values

Family

Integrity and Honor

Respect for each other and the community

Excellence and Professionalism

## Mission

The Yuma Fire Department exists to provide professional services, protecting life and property, to its citizens. We ensure the safety and security of those we serve by delivering emergency medical transport, fire prevention, fire suppression, and education to the community.



### **City of Yuma Fire Department Administration**


1 City Plaza

Yuma, AZ 85364

(928) 373-4850

[www.yumaaz.gov/government/yuma-fire-department](http://www.yumaaz.gov/government/yuma-fire-department)

 @YumaFireDept

 City of Yuma Fire Department