

CITY OF ROCKLIN FIRE DEPARTMENT



ANNUAL REPORT
JANUARY 1, 2021 –
DECEMBER 31, 2021





CITY OF ROCKLIN FIRE DEPARTMENT

MESSAGE FROM THE FIRE CHIEF

The year 2021 was very productive for the Rocklin Fire Department, as we were successful in completing many of our key initiatives in an effort to support the City Council's strategic plan. During the year, the department completed its community-driven Strategic Plan with the help of community members and employees to establish goals, objectives, and outcome measures that will drive improved performance. The department was also successful in formalizing the Fire Prevention Bureau, which includes the addition of a new Fire Marshal's position. This bureau will be pivotal in maintaining community safety through fire prevention and education. The Fire Marshal will also be responsible for collaborating with the business community to help them to provide a safe and healthy environment for patrons.



In 2021, the department also experienced an increase in calls for service as compared to the prior two-year periods. Each of these calls were handled with the experience and professionalism of Rocklin Firefighters. I continue to be proud of the men and women of the Rocklin Fire Department as they work diligently to keep our community and visitors safe.

"Our mission is to minimize risk, increase safety, and improve the quality of life in our community by responding quickly, solving problems, and being nice!"

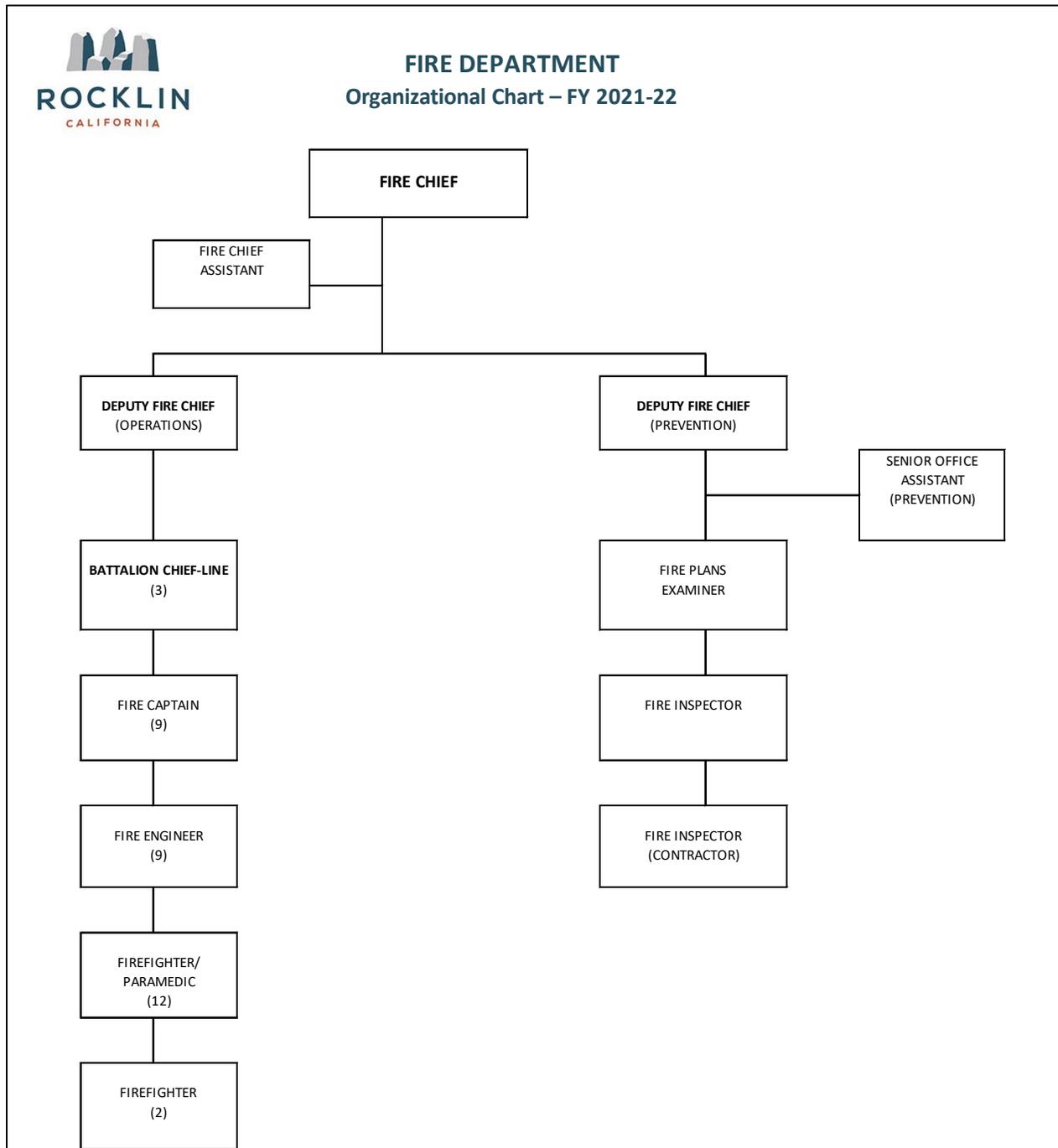
Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Row".

Reginald O. Williams
Fire Chief



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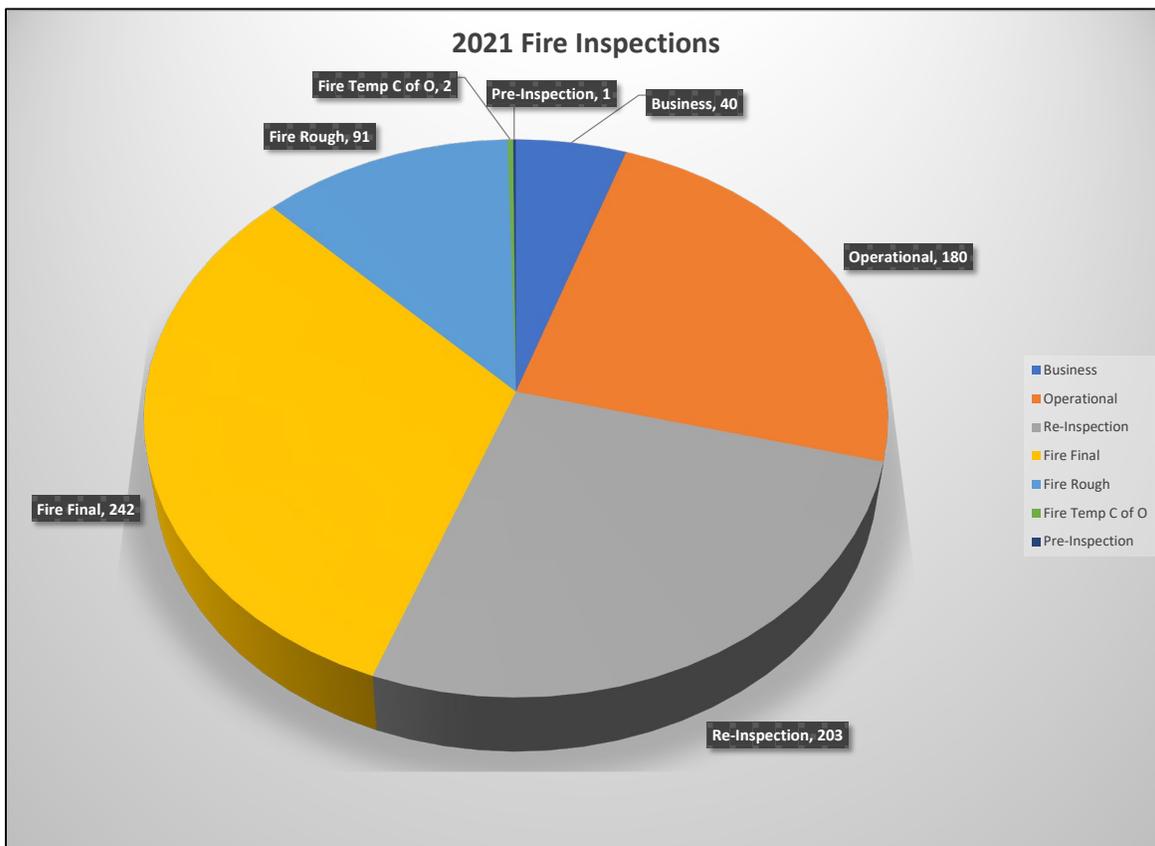


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COMMUNITY RISK REDUCTION

Minimizing risk and increasing safety is a priority of the Rocklin Fire Department. The department's primary method of achieving this goal is through preventing fires and educating the community. During 2021, the department conducted 759 fire inspections as shown in Chart 1; and met the State of California's requirement of inspecting all schools, multi-residential buildings, and hazardous occupancies.

Chart 1:



The department's Fire Prevention Bureau also assists our development community in meeting local and State guidelines related to fire safety and prevention. In 2021, the department completed 242 fire final inspections, which allowed new businesses and homeowners to occupy respective buildings. In addition to fire inspections, the department completed 524 building, fire, and engineering plans as well as 41 new projects and pre-application plans.



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COMMUNITY RISK REDUCTION (Cont.)

In 2021, the Rocklin Fire Department began using a third-party reporting solution (The Compliance Engine) to assist businesses and testing and inspection companies with providing their reports through a central repository that can be used to track the status of permitted systems and develop hazard specific classifications within the city.

The department conducted 17 public education events within the community. These events provide education to a broad group of residents from school age children to adults. Public education is a department goal to prevent an emergency before it occurs.



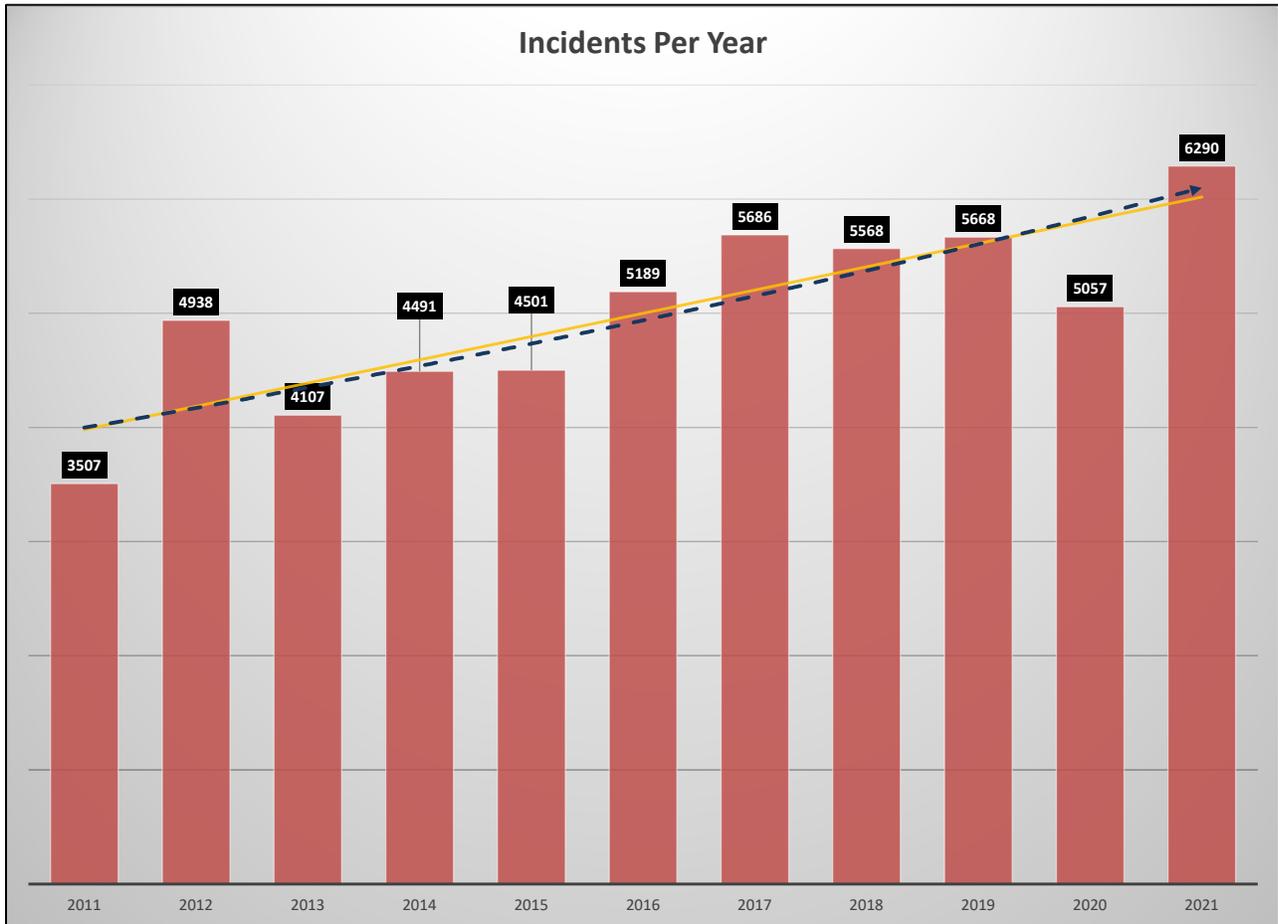


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ROCKLIN BY THE NUMBERS

The Rocklin Fire Department responded to 6,290 incidents in 2021; a 19.60% increase from 2020 (Chart 2). However, in 2020, the department experienced a 10.8% decrease in incidents from 2019; mainly due to impacts of the COVID-19 pandemic. When compared to 2019, the department experienced a 9.9% increase in total calls for service. Responses for emergency medical services continue to account for the majority of requests for services and 69% of the total call volume.

Chart 2:



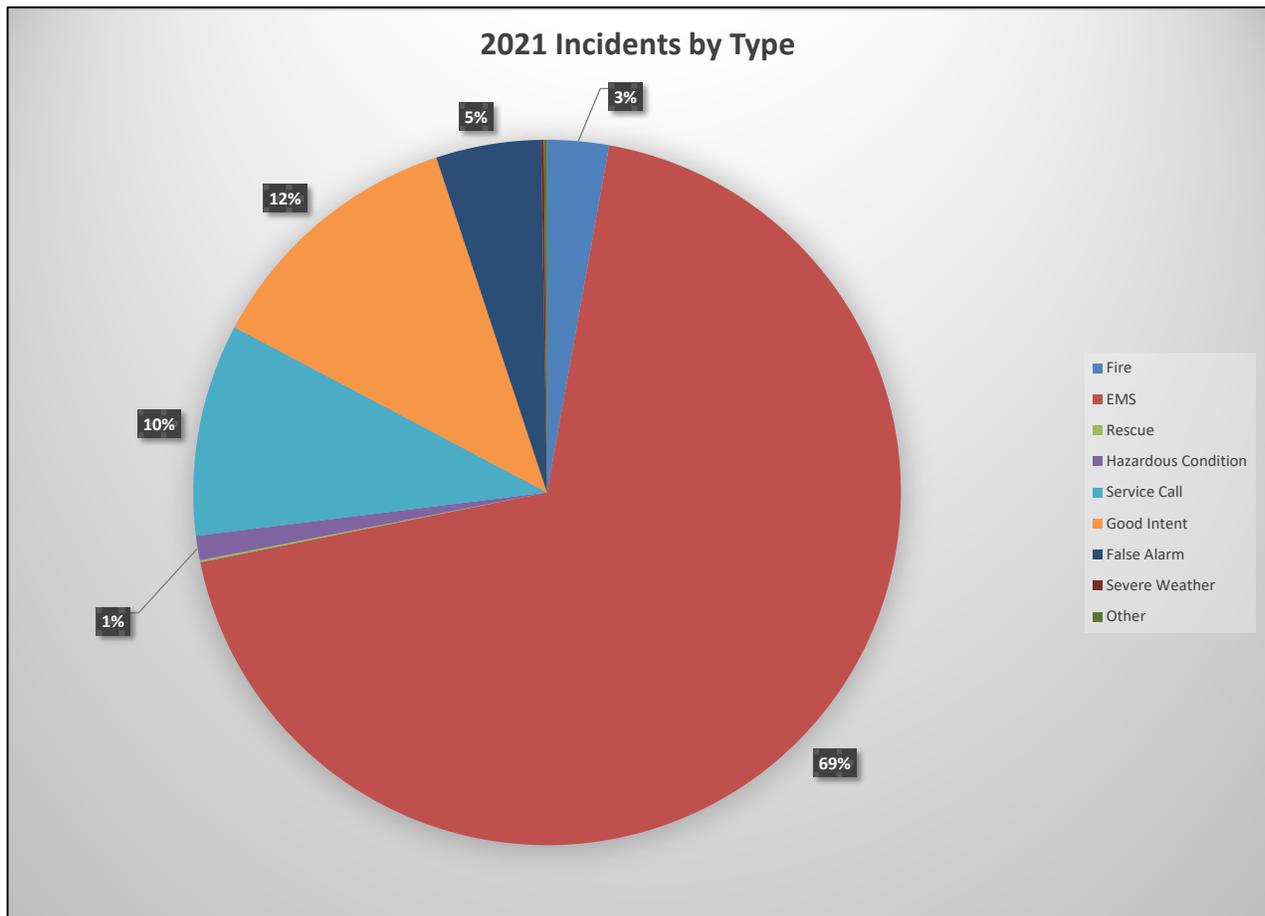


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Incidents related to emergency medical services increased 24% to 4,343 incidents and fire incidents also increased by a modest 16.95% for a total 177 reported incidents. Emergency medical incidents accounted for 69% of total calls and fire incidents accounted for 3% of total incidents; staying consistent over the past three years (Chart 3).



Chart 3:





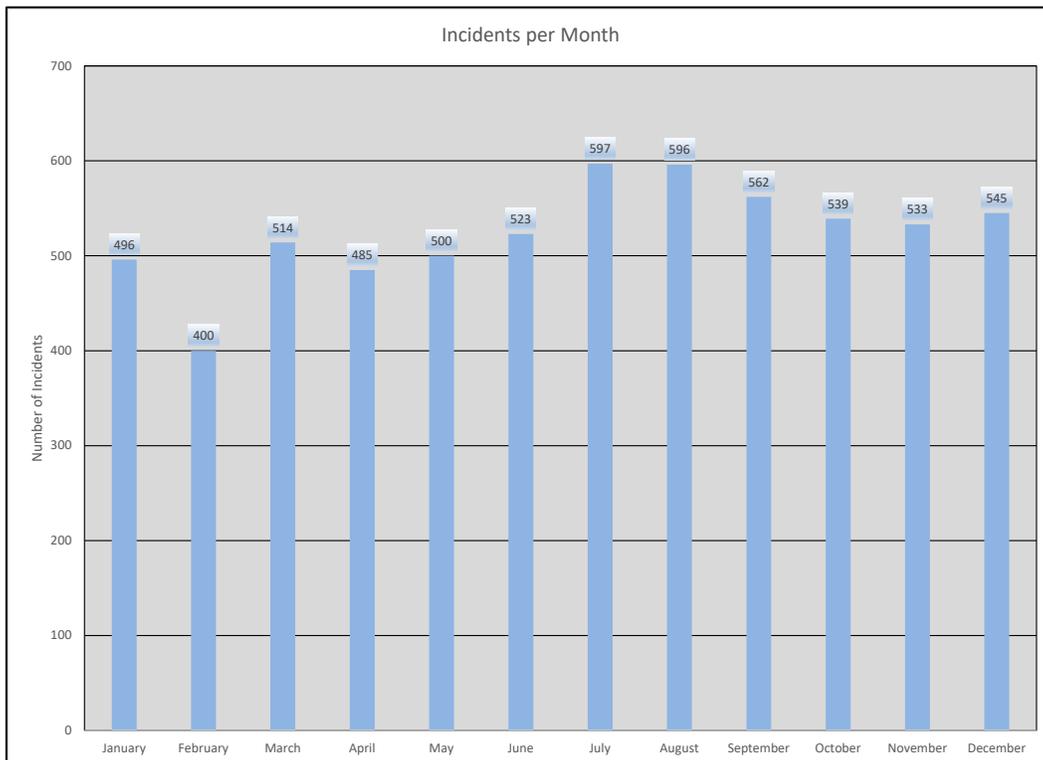
CITY OF ROCKLIN FIRE DEPARTMENT

The Rocklin Fire Department responds to a myriad of incidents including, but not limited to: emergency medical service (EMS), service calls, good intent, false alarms, hazardous materials or conditions, fires and public assistance. Refer to “A Closer Look” (page 11) for a specific categorization and breakdown of the Call-Types.



The department tracks incidents by time of day, week, and month to gain a better understanding of community need. This data helps the department make operational and staffing decisions to ensure we can adequately respond to emergencies.

Chart 4:



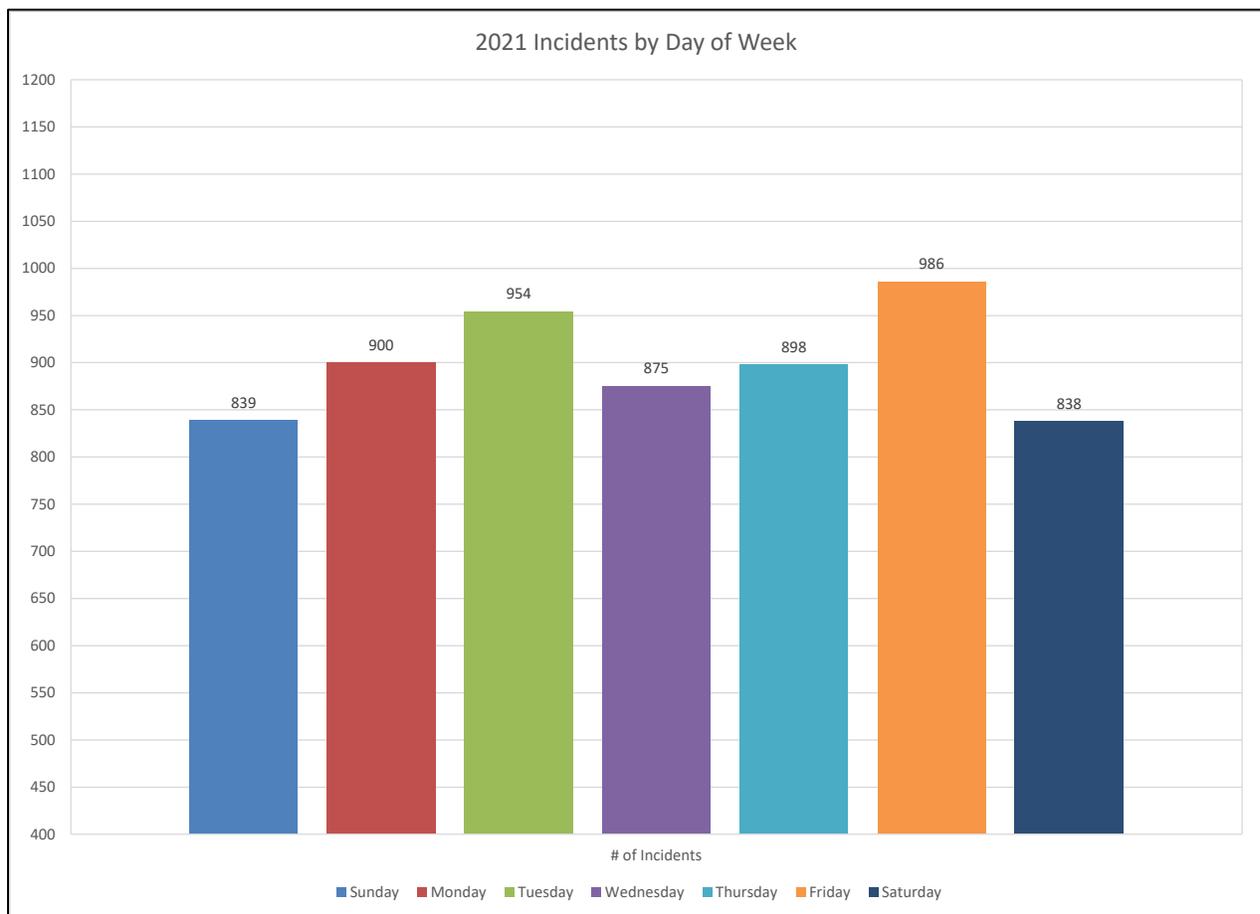


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The bar graph in Chart 4 depicts the total number of calls per month for calendar year 2021. As shown, the department saw a slight increase in calls per month through the summer and fall months with July, August, and September being the busiest months.

Chart 5 further illustrates responses by day of the week. Monday, Tuesday, and Friday were the busiest days of the week in 2021. This data is further drilled down to time of day, showing that 8 o'clock am to 8 o'clock pm are peak periods for incidents (Chart 6). This provides a level of predictability that the Rocklin Fire Department receives the highest request of calls for service Monday, Tuesday, and Friday from 8am to 8pm.

Chart 5:





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Chart 6:

Chart 6 displays a normal bell curve distribution which has been fairly consistent over the years. Calls for service begin to increase in the mornings, peak in the afternoon, and taper off in the evenings.

This data allows the department to schedule training and non-emergency activities around anticipated peaks for incidents.

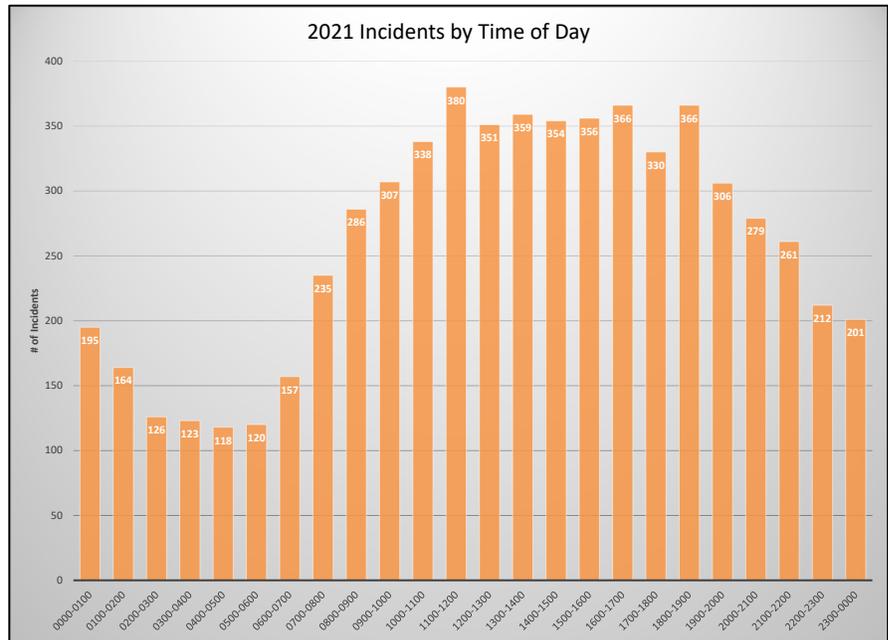
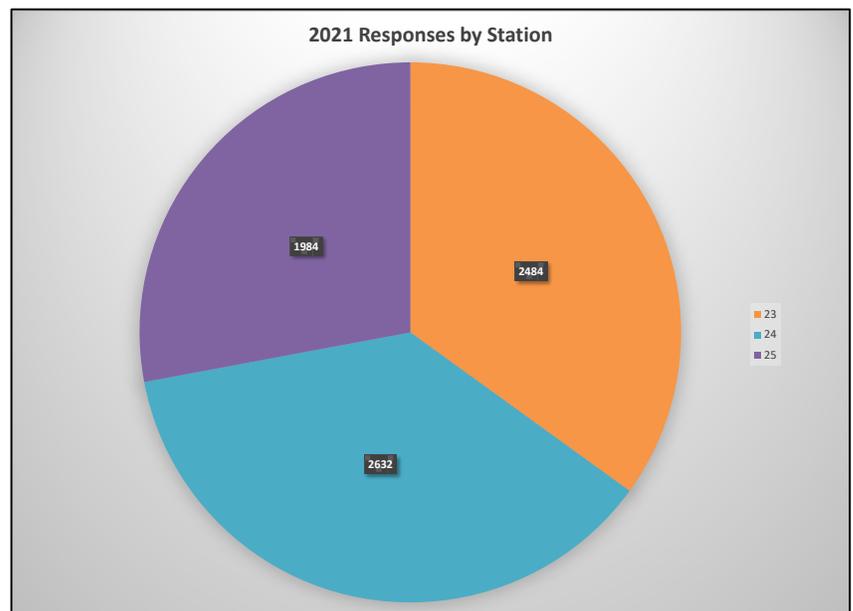


Chart 7:

Multiple fire company responses account for a portion of the 6,290 incident responses in 2021. Chart 7 displays responses by fire station and accounts for all apparatus within a given facility. For example, fire station 24 had a combined 2,632 responses in 2021. The responses were as follows:

- Truck 24 | 2,077
- Battalion 24 | 428
- Engine 24* | 119
- Brush 24* | 8
- Total | 2,632



* Crossed staffed with Truck 24



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A CLOSER LOOK

TOTAL		6,290
Medical Calls		4,338
	Illness/Injury	4,053
	Vehicle Accidents with injuries	111
	Vehicle Accidents with non-injury	72
	Medical Assists	102
Service Calls		603
	Assist Invalid	295
	Cover assignment, standby, move-up	17
	Assist Police or other Governmental Agency	129
	Smoke or odor removal	9
	Other (water or steam leak, unauthorized burning, etc.)	153
Good Intent		668
	Dispatched and Cancelled En-route	551
	No Incident Found on Arrival at Address or Wrong Location	83
	Smoke scare, odor of smoke	32
	Other (Hazmat release investigation, no release, authorized control, etc.)	153
False Alarms		302
	Smoke detector activation due to malfunction or unintentional	105
	Alarm system sounded, activation due to malfunction or unintentional	65
	Other (CO detector activation due to malfunction, sprinkler activation-no fire)	132
Hazardous Materials		72
	Gasoline, oil or other flammable liquid spill	35
	Other (Electrical, Arcing equipment, Power line down, chemical spill, etc.)	29
	Carbon Monoxide Incidents	8
Fires		177
	Structures	58
	Vehicle	32
	Grass, Wild Land	48
	Other (cooking, chimney, trash, etc.)	48
Rescues		13
	Extrication of victim from stalled elevator, vehicle, or building/structure	9
	Animal rescue	4
Other		117



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SIGNIFICANT EVENTS

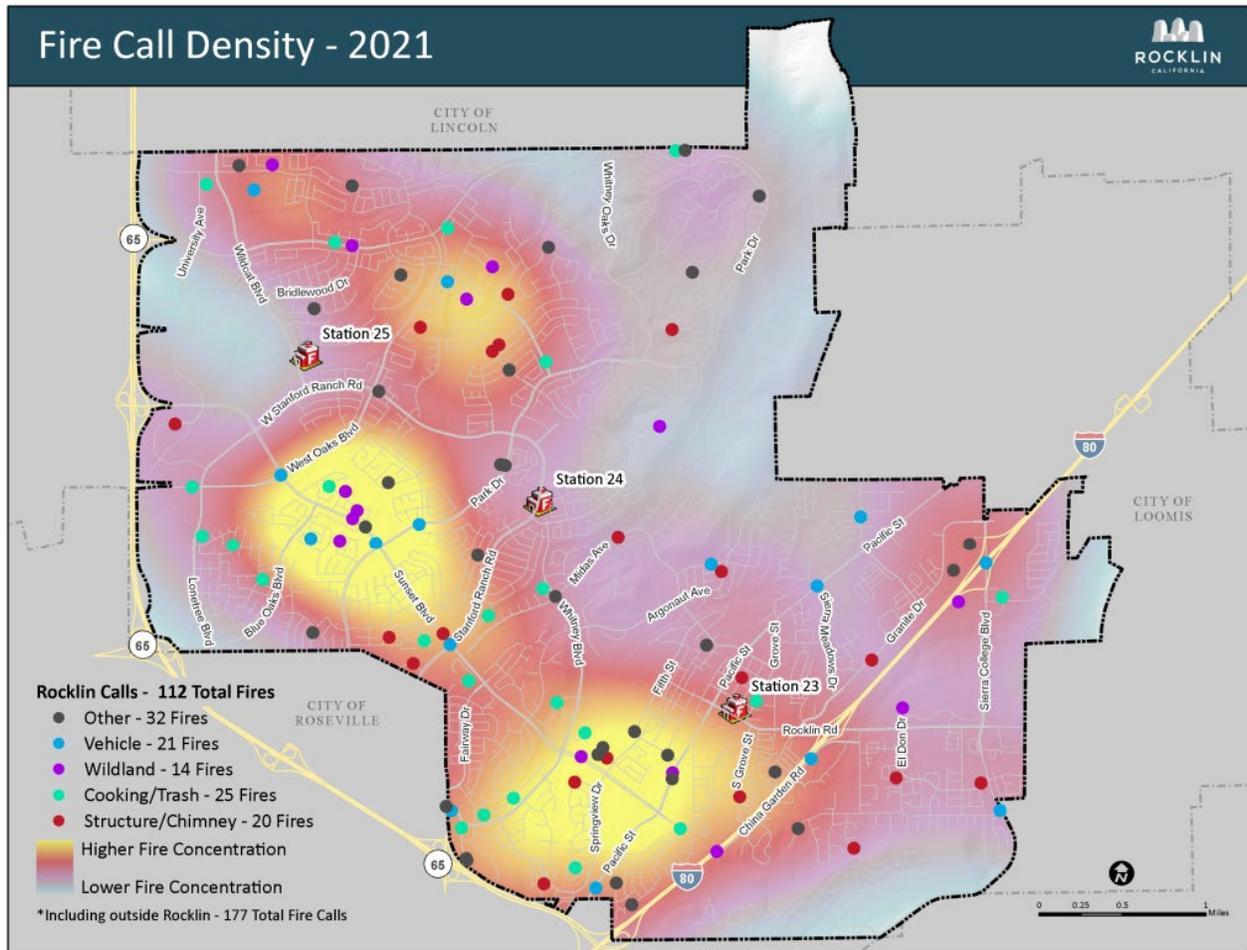
Table 1:

Date	Incident Type	Location	Event	Outcome
3/3/21	Residential Structure Fire	2400 Block of Cody Drive	Fire located on an exterior deck of the structure.	Majority of fire damage was contained to the exterior of the structure with minor interior extension and fire damage.
3/5/21	Residential Structure Fire	6000 Block of Placer West Drive	Units arrived to a two-story apartment building to find smoke showing from a second-floor unit	Fire was contained to the unit of origin with water and smoke damage to other units.
3/8/21	Residential Structure Fire	4200 Block of Midas Avenue	Units arrived to find an attic fire established in a single-story home.	Extensive overhaul to ensure extinguishment. Minimal damage to majority of the home with the exception of a smoke odor.
7/2/21	Commercial Structure Fire	4400 Block of Granite Drive	Units were dispatched to a Fire Alarm. Arrived to find smoke and water from a commercial occupancy under construction.	Small fire was held in check by fire suppression system until extinguishment by fire personnel. No extension to the building was noted. Minimal evidence of fire was left once suppression efforts were completed.
7/3/21	Residential Structure Fire	6200 Block of Brookshire Drive	Origin exterior, extended into master bed and attic space.	Fire confined to Alpha/Delta corner attic space and room and content of master bedroom.
7/3/21	Residential Structure Fire	5000 Block of Charter Road	Origin exterior, large wooden deck. Rear side window broken due to heat with no extension interior. Single story.	Fire extinguished at area of origin with small amount of extension into wildland area. Deck was a complete loss. NOTE: 2 nd structure fire within the city during same timeframe. Lincoln Fire first suppression unit on scene.
7/4/21	Residential Structure Fire	2300 Block of Canary Drive	On arrival reported as a palm tree on fire negative structure involvement. Cause was fireworks	No extension from area of origin
7/5/21	Brush/Grass Fire	Behind 2404 Vine Circle	Brush/grass fire burning in the wetlands area behind building #24.	Fire contained to .84 acres in size. Investigation indicated the cause of the fire was fireworks.
7/7/21	High Angle Rescue	5255 Pacific Street	Quarry Park participant on ropes course (highest point) experiencing a medical emergency and unable to descend from course without assistance.	Rocklin Fire personnel created a descending system and lowered the patient to the ground
7/13/21	Residential Structure Fire	5300 Block of Brandon Drive	Garage fire in three car garage. Two story residence.	Fire contained to the garage with extensive damage. No extension into the living quarters
7/17/21	Residential Structure Fire	2300 Block of Pioneer Way	Arrived to find an exterior fence fire between two structures. Both structures threatened. Response: ROK, LNC, RSV, CalFire	Fire contained to exterior. No extension into either affected home. Home on the right suffered a broken window without extension.
7/28/21	Vegetation Fire	4600 Block of Sierra College Blvd.	¼ acre fire found upon arrival. Fire extinguished at 2.5 acres.	Fire was extinguished with no damage to structures. Required extensive mop-up in oak wooded areas.
8/9/21	Residential Structure Fire	5100 Block of Charter Court	Garage Fire.	Fire contained to the two-car garage with moderate damage to the garage and vehicles.
8/14/21	Commercial Structure Fire	3300 Block of Parkside Drive	Everette Apartments. Arrived to find a two-story apartment complex with heavy fire in second story apartment	Fire contain to origin apartment and attic space above origin apartment. Total of four units displaced.
8/29/21	Residential Structure Fire	4900 Block of San Francisco Street	Arrived to find a working structure fire. Single story residence.	Fire confined to room of origin. PD and Roseville HazMat dispatched due to drug related incident.
9/14/21	Vehicle into a Structure	3000 Block of Bronco Lane	Single vehicle through garage door and into the interior wall of the kitchen area	Secured gas and electrical to the affected area. Building department contact for evaluation of structure integrity. No injuries reported.



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MAP OF FIRE CALL DENSITY

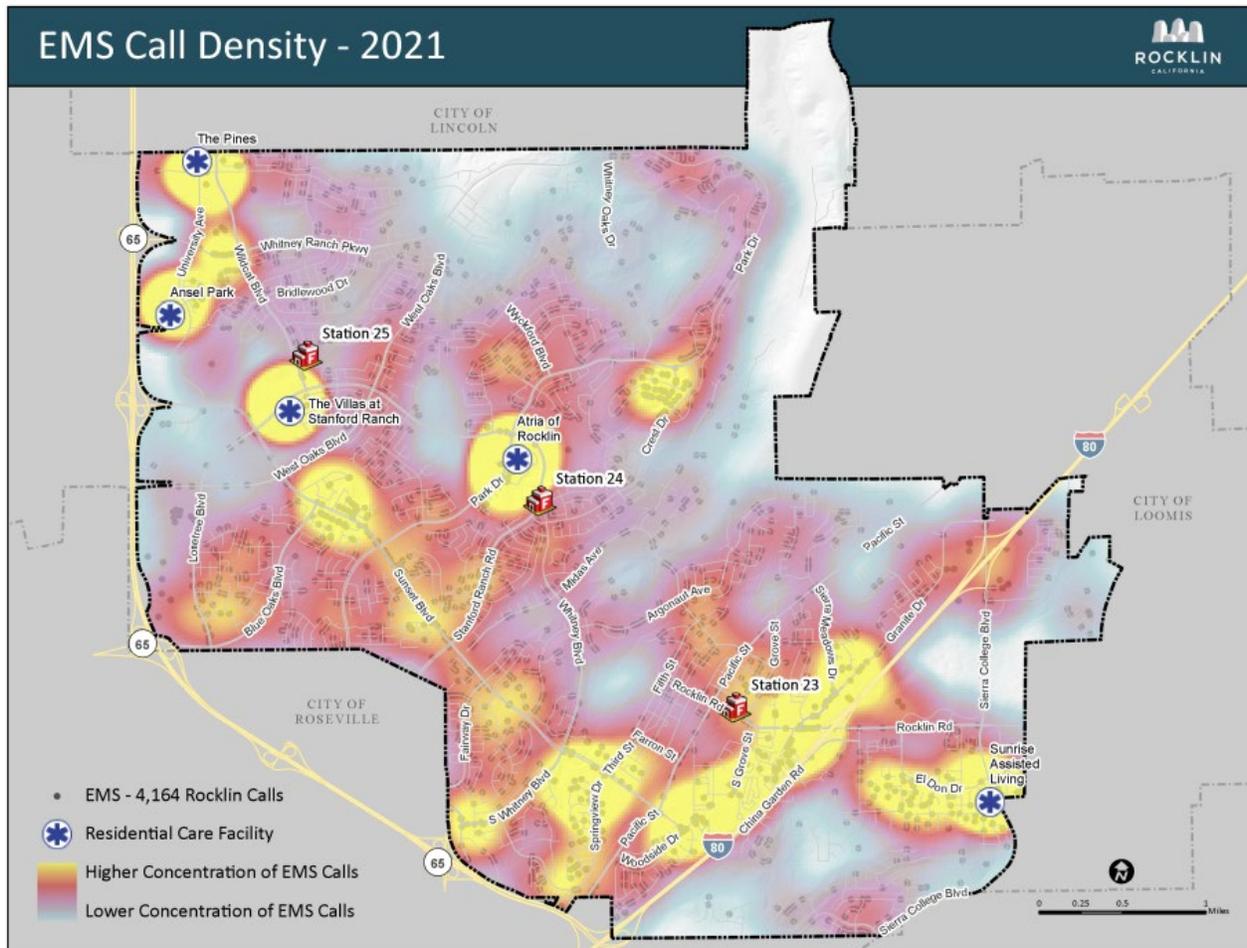


In 2021, fire incidents increased by 16.95% from 2020. In total, fires accounted for 3% of all incidents; with residential structure fires accounting for the majority of property loss for the year and highest risk for fire-related injury. The fire department experienced two civilian injuries and no fire related deaths in 2021. There were five firefighter minor injuries reported during this period.



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MAP OF EMS CALLS

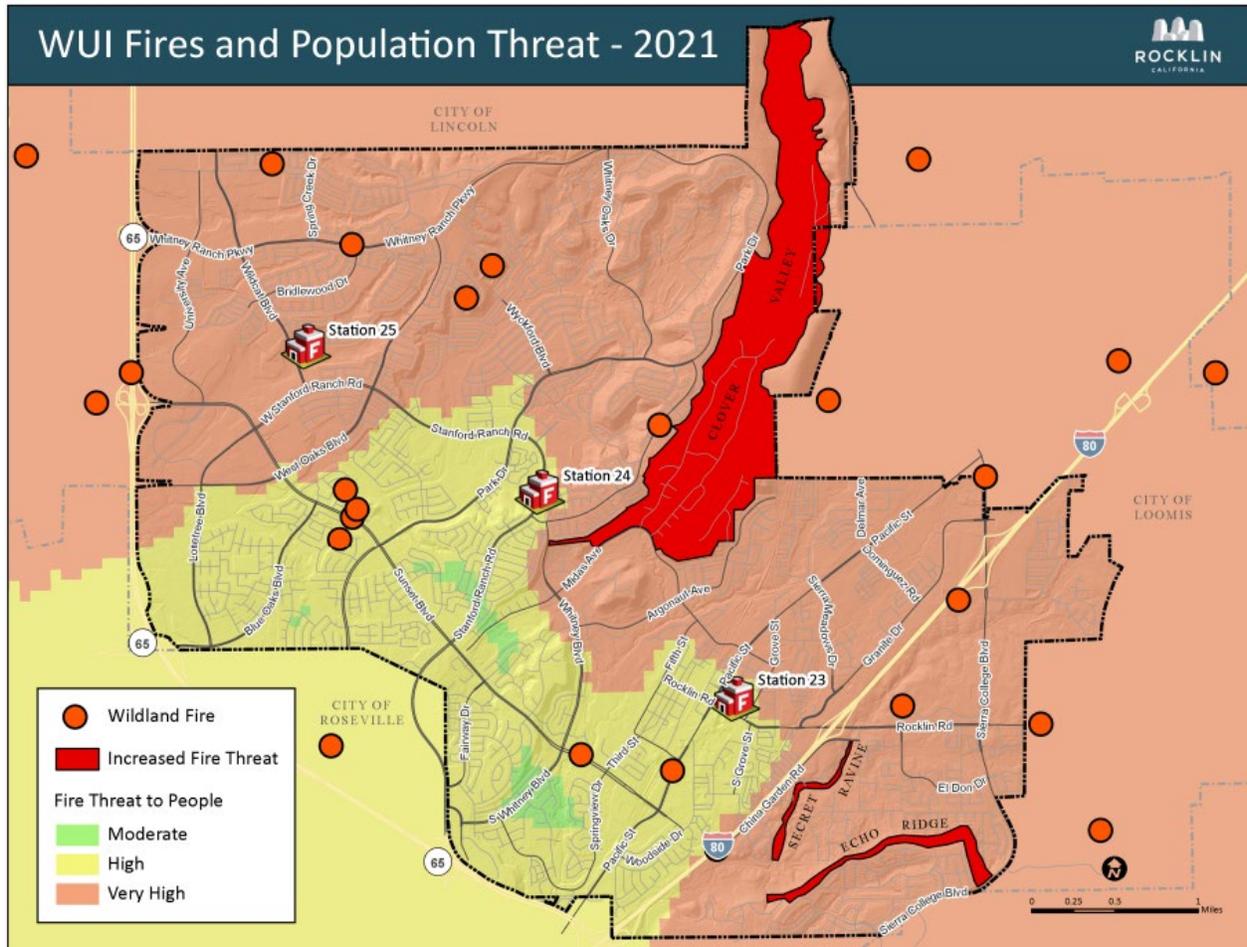


The map above represents all EMS calls for service, including vehicle accidents with injuries. Emergency medical calls account for the largest percentage of response from the fire department. Rocklin Fire responds to all medical emergencies with at least one paramedic/firefighter on each apparatus, providing a higher level of service and documented improved patient outcomes. In 2021, Rocklin achieved return of spontaneous circulation (ROSC) in ten (10) patients suffering from cardiac arrest, increasing their chance for survival. There were fourteen (14) reported cases of ROSC in 2020.



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WILDLAND URBAN INTERFACE (WUI) FIRES AND POPULATION THREAT



Fire threat is a combination of two factors: 1) fire frequency, or the likelihood of a given area burning, and 2) potential fire behavior (hazard). The map above represents all vegetation fires in 2021 and relation to the “wildland threat to population.” The department strives to prevent and reduce wildland fires through annual mailers that remind our community of the importance for creating defensible space. The department also encourages grazing and other fire mitigation strategies to reduce the rapid spread of vegetation fires.



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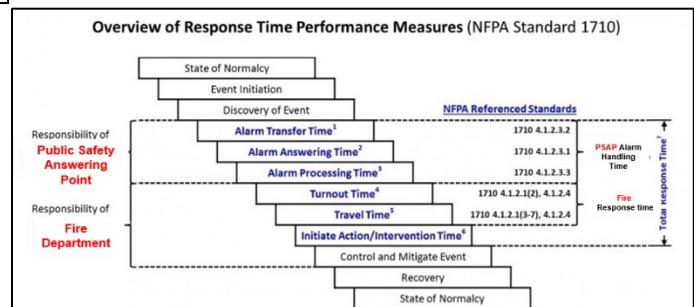
PERFORMANCE MEASUREMENT

One of the most common fire department performance measures is total response time, measured at the ninetieth percentile. Total response time measurement starts with the initial notification to 9-1-1 and ends when the first apparatus arrives on scene. In 2021, the total response time was 11 minutes 58 seconds (11:58) or less 90% of the time for fire incidents and 7 minutes 36 seconds (7:36) for EMS incidents within the City of Rocklin. The aggregate average response time for fire and EMS incidents was 7 minutes 54 seconds (7:54). The Rocklin Fire Department's 2021 Strategic Plan and Standards of Coverage has identified data which allows the department to establish response performance standards. Examples of performance standards include the City of Roseville Fire Department who strives to arrive at emergencies within 8 minutes (8:00); and the National Fire Protection Association (NFPA) who recommends a total response time of 6 minutes and 31 seconds (6:31).



The total response time is comprised of alarm handling and response time. The department is currently conducting a comprehensive evaluation of each component to identify areas for improvement, implement a corrective action plan, and make recommendations on future needs.

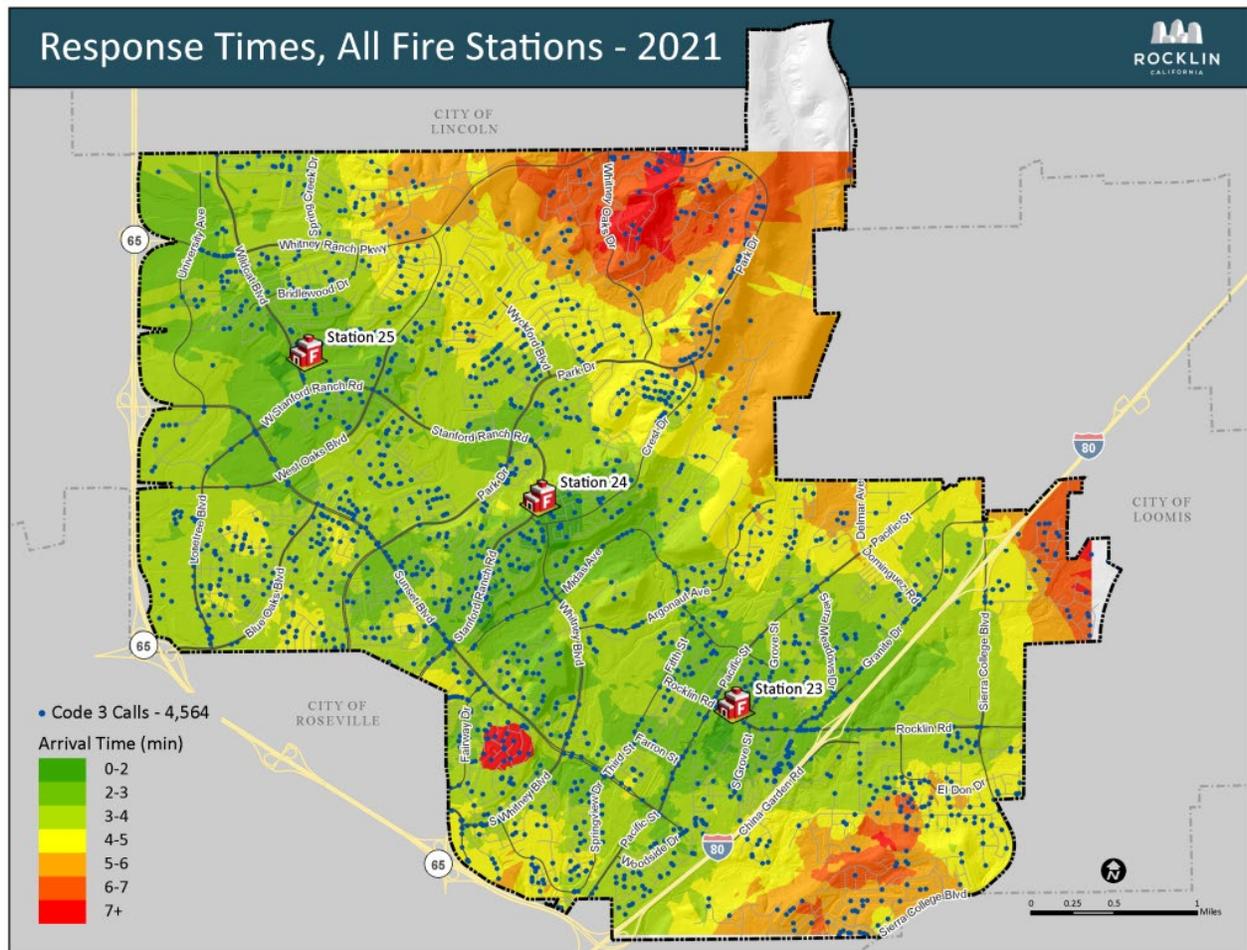
TOTAL RESPONSE 90 th Percentile Data		
Call Type	2020	2021
Fire	10:38	11:58
EMS	7:25	7:36
Total	7:53	7:54





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MAP OF TRAVEL TIMES



This map represents travel time for emergent calls (Code 3) in the City of Rocklin in 2021. Code 3 calls require the use of lights and sirens to expedite response to save lives and property. The data is derived from the department's record management systems (ImageTrend), which uses unit data provided by the City's Computer Aided Dispatch (CAD) system. The travel time intervals vary from zero to two (0-2) minutes to greater than seven minutes (>7), not accounting for alarm handling or turnout time.

Note: Fire crews obtain a zero-minute travel time when reporting new incidents or arriving prior to being dispatched by the Police/Fire Communications Center.



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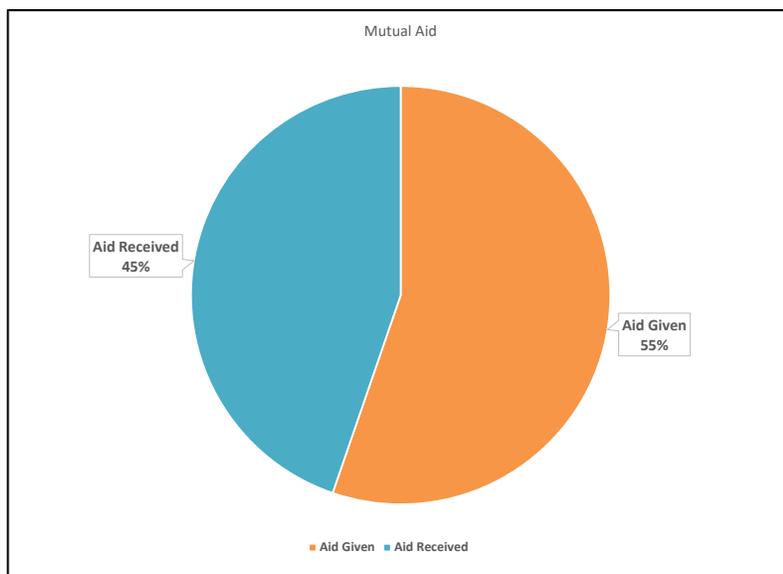
NEIGHBORS: COMMUNITY HELPING COMMUNITY

Rocklin Fire responded to 14 wild fire disasters in 2021:

- 7 – Single Resource Deployments
- 7 – Strike Team Deployments

In 2021, the fire department assisted in fourteen wild fire disaster responses throughout the State of California. Some of these responses include the River fire in Colfax, Bridge fire in Foresthill, Caldor fire in El Dorado, and the Dixie fire which spanned five counties and burned nearly one million acres.

In total, the department provided mutual aid 315 times in 2021 and received mutual aid 255 times. The majority of mutual aid provided and received occurs daily across jurisdictional borders with the cities of Roseville and Lincoln, the town of Loomis, the community of Granite Bay, and the unincorporated Placer County.





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COMMUNITY EVENTS

Rocklin Fire embraces the community and visitors of our city as we strive to improve quality of life through prevention and response. We achieve this through active participation with our community. We provide fire and medical safety tips, education, and training that includes hands only CPR, “stop; drop; and roll”, and evacuation practices. During 2021 firefighters provided public education to classrooms, as well as a number of special events to include Patriot Day and Hot Chili Cool Cars to name a few.





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Frequently Asked Questions

Q. How do I prepare my home and surrounding property to be fire safe?

A. Please visit: www.rocklin.ca.us/rocklin-ready for helpful guidelines, worksheets, and checklists to aide in fuel reduction, weed abatement, and creating a family action plan in case of a home or wildland fire.

Q. How do I diagnose a faulty smoke detector or carbon monoxide detector?

A. We encourage our community to review the directions on the back of the device. Many devices reach their service life of 10 years and are in need of being replaced. In the event of a true emergency exit the home and request the assistance of your fire department.

Please also visit: www.fire.ca.gov/communications/communications_firesafety_carbonmonoxide

Q. How do I reset a smoke detector that will not stop chirping?

A. Please visit: www.consumerreports.org/smoke-alarms/how-to-reset-a-smoke-alarm-that-wont-stop

Q. How do I request a copy of an incident report?

A. Please call the Fire Administration Office at (916) 625-5300.

Q. How do I report a leaking fire hydrant?

A. Contact the Placer County Water Agency (PCWA) at (800) 464-0030. Please also visit: www.pcwa.net or email at: customerservices@pcwa.net

Q. How do I learn more about City grazing?

A. Please visit: www.rocklin.ca.us/grazing to learn more about managed grazing including regulations and permit conditions.

Q. Does the fire department check or install car seats?

A. Unfortunately, Fire personnel are not trained on this service; however, the Roseville fire department (916) 772-6300 and the California Highway Patrol sub-station in Newcastle (916) 663-3344 provide car seat safety inspections.

Q. Does the fire department offer CPR classes with certification to the community?

A. Certification courses for community members are offered through the American Red Cross, you can contact them at (800) 733-2767.

Q. Does the fire department take expired fire extinguishers?

A. Unfortunately, we no longer collect expired or old fire extinguishers at the fire stations, however, please contact the Western Placer Waste Management Authority at (916) 543-3960 for the proper disposal of hazardous materials.

Q. Does the fire department really receive calls to rescue cats from trees?

A. Yes, we certainly do. Pets are family members to many in our community; however, the best way to aide in the safety of the animal is to contact the City's Community Service Officers at (916) 625-5400 (*for emergency or non-emergency animal related concerns*).