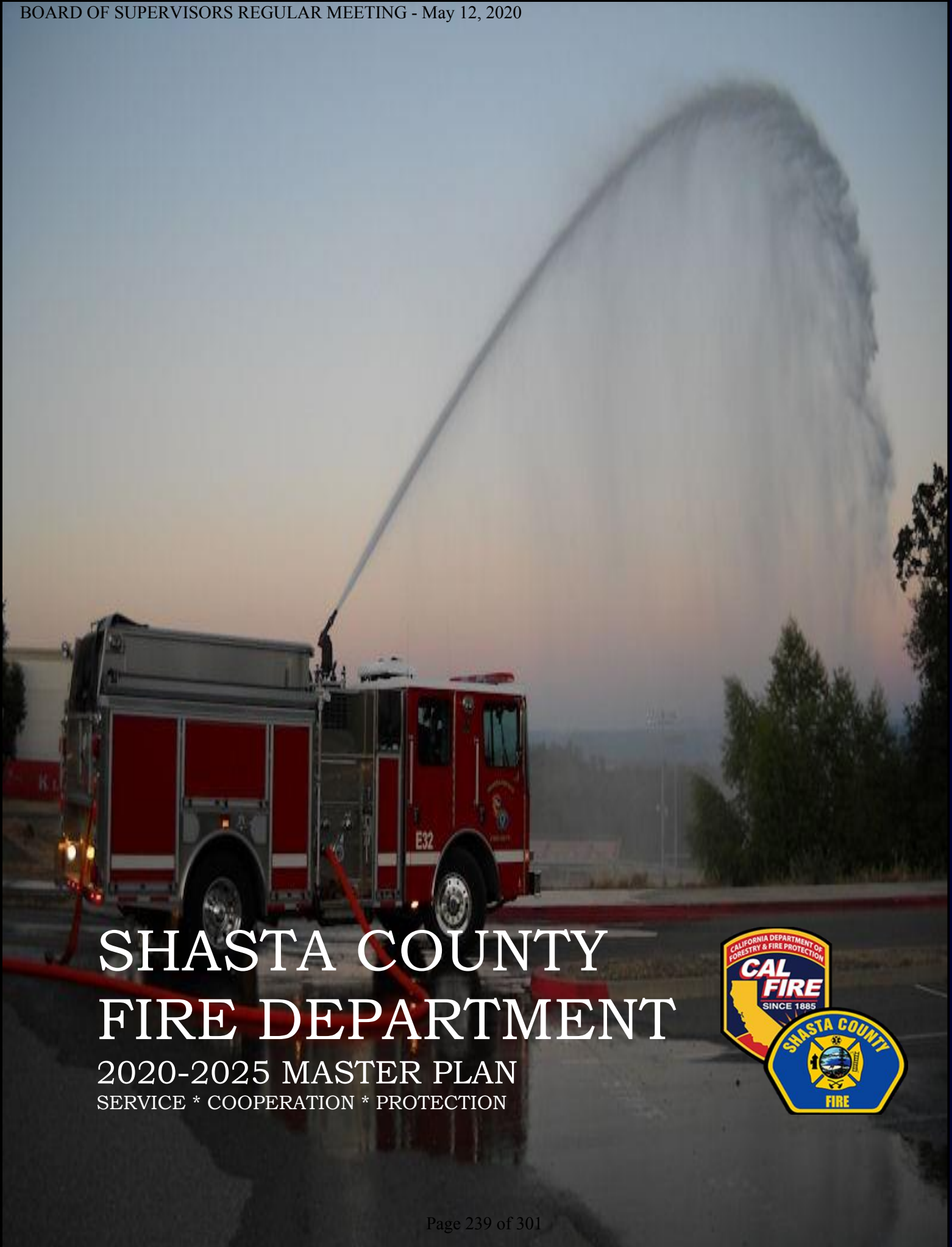


DOCKETED	
Docket Number:	23-OPT-01
Project Title:	Fountain Wind Project
TN #:	255608
Document Title:	Shasta County Fire Master Plan 2020 - 2025
Description:	N/A
Filer:	Caitlin Barns
Organization:	Stantec Consulting Services, Inc.
Submitter Role:	Applicant Consultant
Submission Date:	4/10/2024 2:31:48 PM
Docketed Date:	4/10/2024



SHASTA COUNTY FIRE DEPARTMENT

2020-2025 MASTER PLAN
SERVICE * COOPERATION * PROTECTION



COUNTY OF SHASTA SHASTA COUNTY FIRE DEPARTMENT



MASTER PLAN 2020 – 2025

Sean Kavanaugh
Deputy Chief
Shasta County Fire Department

Approved By:

Bret Gouvea
Chief



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MESSAGE FROM THE CHIEF



I am pleased to present the 2020 Shasta County Fire Department Master Plan on the 40th Anniversary of Cooperative Fire Protection between CAL FIRE and Shasta County. The 2020 Master Plan represents several unattained objectives from the “2014 Master Plan” as well as goals and action items that will address the level of service required to meet today’s complex public safety needs. Additionally, the plan will detail a leader’s intent reinforcing the Department’s Mission and Values.

Historically, the Shasta County Fire Department has relied on a volunteer firefighting force to provide much of the fire protection response throughout the county. Volunteer firefighter numbers have varied over the past forty years with members exceeding 250 at times; however, there has been a constant decline over the years despite increased recruitment and retention efforts, a trend felt nationally. In fact, the Shasta County Fire Department has lost two volunteer fire companies over the past 21 years and currently has nearly 100 fewer volunteer members.

Additionally, the Shasta County Fire Department serves 20 communities with 17 volunteer fire companies and 2 professional staffed fire engines.

As we move into the future, we embrace the challenge of a changing society where reliance on volunteerism as a primary means of service is no longer viable. Rather, we must consider volunteerism supplemental to the level of service provided. Moreover, the Shasta County Fire Department is facing exponential increases in incident volume and complexity thus requiring additional staffing levels with expanded expertise.

The 2020 Shasta County Fire Department Master Plan addresses this challenge by focusing on a variety of staffing models to meet the needs of the diverse communities we serve. Utilizing existing and new volunteer staff in an enhanced capacity to meet the greater need, increasing our training opportunities through the SHIELD Regional Training Consortium, and increasing communication and fire prevention in support of the Department’s mission.

This Department consist of amazing people comprised of volunteer and professional staff who care deeply for the communities they serve. Through careful planning and a scalable approach, we can provide the level of service that best fit each of the great communities we serve.

Sincerely,

Bret Gouvea

MISSION

The Mission of the Shasta County Fire Department is to stand ready to protect life, property, and the environment utilizing properly trained and equipped personnel. The mission includes structural and wildland fire control, first response medical care and appropriate assistance to other emergency services agencies.

VISION

The vision of Shasta County Fire Department is to provide quality service to all communities of Shasta County and provide mutual aid to allied agencies for the common good of the citizens of Shasta County.



VALUES

SERVICE GOALS

- We are committed to the safety and well-being of the public and our employees.
- We are dedicated to supporting the training and administrative needs of our volunteer and career workforce.
- We strive for excellence and professionalism.

COOPERATION

- We continue to improve cooperative relationships with County programs and allied agencies.
- We maintain and enhance cooperative agreements focusing on what is best for the community.
- We continue to build a support structure that enables and encourages volunteerism.

PROTECTION

- We provide the equipment, training and resources to our volunteer and career workforce to effectively and efficiently serve local communities.
- We value the diversity each employee brings to the Department.
- We recognize the importance of clear communications to all employees and cooperating agencies.
- We provide training and support to the workforce which promotes a calm resilience during emergencies.

BACKGROUND

SHASTA COUNTY FIRE DEPARTMENT

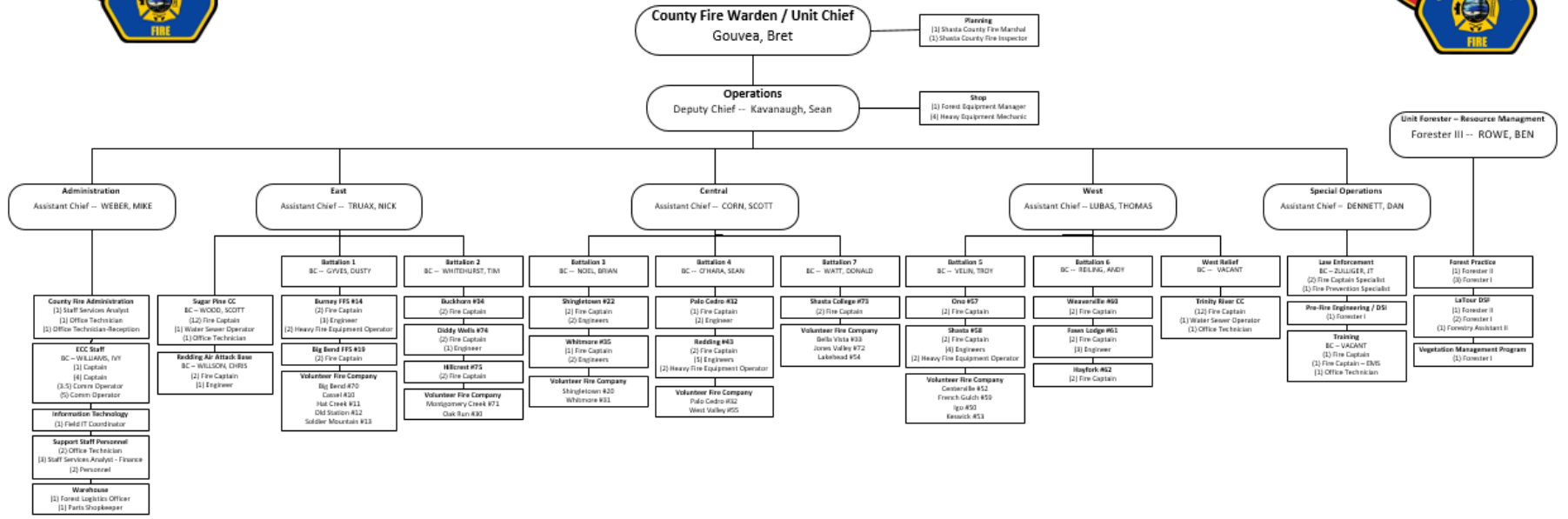
Shasta County Fire Department (SCFD) CSA#1 was formed in November 1974 and has been administered through a cooperative agreement with CAL FIRE since 1980. SCFD's has a response area that spans 3,400 square miles and protects approximately 70,000 citizens throughout 20 rural communities in Shasta County. SCFD has changed through the years conforming to the fiscal and operational needs of Shasta County. Currently, SCFD is a combination fire department comprised of both career and volunteer staffing. The Department has an average of 163 volunteer firefighters spread throughout 17 community-based volunteer fire companies and two Schedule A engines with ten full-time firefighters. Additionally, Shasta County contracts with CAL FIRE for "Amador Staffing" providing three staffed engines during the winter months at a reduced rate through the cooperative agreement. The CAL FIRE contract also provides support staff to administer the fire department that includes dispatching services, fire marshal services, fleet maintenance, clerical support, and training.

Shasta County hosts some of California's critical infrastructure including Interstate 5, several artery highways and a railroad. All of these transportation thoroughfares connect California with adjoining states, providing critical commerce and commodities to California counties and surrounding states. Two high pressure natural gas lines transect eastern Shasta County, providing natural gas throughout California and surrounding states. Shasta County is also home to six of California's hydroelectric facilities, generating electricity which is distributed nationwide through the Western Area Power Authority (WAPA) transmission lines.





Shasta – Trinity Unit Shasta County Fire Department Organization



OVERVIEW

STRATEGIC GOALS

Proper planning and sharing of a vision are essential elements to a successful future. This strategic plan will serve as a guide and accountability tool for organizational effectiveness. Shasta County Fire Department's 2020–2025 Master Plan is based on goals designed to meet the challenges associated with providing an emergency response system that is flexible with the ability to react to changing conditions such as the economy, community needs, service requirements, demographics and other influences that rise over the life of the plan. In emergency services and public safety, continuously evaluating performance is key to forecast positive direction.

The intent of this document is to develop goals and actions that will map the future direction of the department in identifying service needs that will continue to benefit the communities SCFD protects now and in the future. The plan will be reviewed, evaluated and adjusted periodically to ensure the identified goals are accomplished. For the plan to be effective and successful, support from elected officials and the community is paramount in achieving the following goals:

- *Expand emergency response operations.*
- *Recruit and retain volunteer firefighters.*
- *Organize for operational efficiency.*
- *Enhance Training Bureau to provide efficient service to department staff.*
- *Use of technology for program advancement and management.*
- *Financially sustain and support changing levels of services and strengthen cooperative relationships for the benefit of communities served.*

GOAL 1

EXPAND EMERGENCY RESPONSE OPERATIONS

SCFD provides service to approximately 70,000 citizens in the unincorporated area of Shasta County. The primary component of the fire department is the citizen volunteer firefighter. SCFD has a current Local Government Agreement referred to as a Schedule A contract with CAL FIRE. The Schedule A contract funds two full time career staffed engines within the county. One engine serves the community of Palo Cedro, Engine 32. The second engine, Engine 47 serves the citizens of south Shasta County. Shasta County Fire Department must grow with the population in order to adequately provide the public with the appropriate level of emergency fire services. Shasta County continues to expand in population, infrastructure, and with industrial and residential growth. The two engine Schedule A staffing has remained the same since CAL FIRE and Shasta County signed the cooperative fire agreement in 1980.

Action: Fund and build a career staffed South County Fire Station, Station 47.

Nearly half of the residents SCFD serves reside in the south Shasta County area. Currently, the SCFD engine and personnel that respond to emergencies in the south county are housed out of the CAL FIRE Redding Station located on Airport Road. There are plans in the near future for the CAL FIRE Redding Station to relocate to a new, state mission only facility at Stillwater Business Park. There is a need to strategically locate a station for the SCFD south county response. Listed are a few statistics on SCFD, Engine 47 and the CAL FIRE Redding Station 43 (Schedule A, county winter Amador and summer response).

- Covers 44.5 square miles.
- Serves approximately 11,100 people in its immediate response area.
- Serves approximately 33,000 people in south Shasta County.
- Serves 12,000 housing units.
- Engine 47 averages 1300 calls for service a year in the response area.
- Engine 47 averages close to 10% of the call volume dispatched for CAL FIRE/SCFD (13,700 for 2018).
- Station 43 averages 1900 calls for service per year between CAL FIRE and Engine 47.

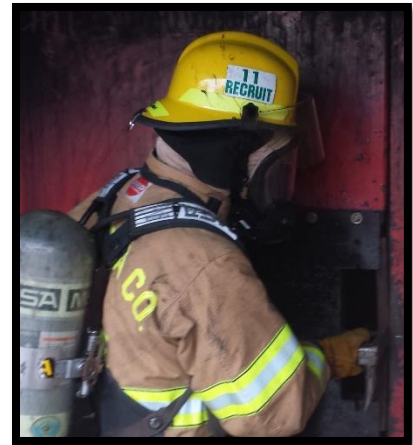
Action: Expand the Schedule A program with a career staffed County engine in the community of Shingletown.

The emergency response incidents in the community of Shingletown on average equal more than 500 incidents a year. EMS and fire protection for the community is provided by SCFD Volunteer Company 20 and the CAL FIRE Station 22 through the Amador agreement with Shasta County and CAL FIRE. The call volume alone warrants adding staffing that will relieve and support the volunteer company. Adding a career staffed SCFD engine will provide 24-hour

emergency service dedicated to the community. A majority of the emergency incidents in the community of Shingletown are medical calls for assistance. The current Amador engine at Station 22 can be relocated to another community within the County in need of additional emergency response support.

Action: Establish a reserve firefighter program in the Department.

Many communities within Shasta County rely on fire and EMS services from SCFD volunteers as the primary level of response for emergency incidents. Mutual and Automatic Aid agreements are not attainable in many of the areas to support the volunteers. A reserve firefighter program would establish entry level, paid firefighters to support 24-hour, 7 day-a-week emergency response coverage utilizing the volunteer equipment and facilities.



Action: Development of Shasta County Interagency Rescue Group (SCIRG).

Expand SCFD capabilities to have trained personnel and equipment to respond and mitigate technical rescues. The development of SCIRG will be a multi-disciplinary technical rescue team from Shasta County emergency response agencies. The team will work within the already established framework of Shasta County's Emergency Response System to provide assistance and expertise in areas of technical rescue. SCIRG will operate under a Letter of Understanding or Operating Plan between the Shasta County Sheriff's Office and the Shasta County Fire Chief's Association. Examples of technical rescues include, but are not limited to, swift water rescues, flood rescues, low and high angle rescue, trench rescue, confined space rescue, static water rescue (Shasta Lake boat response), structural collapse (USAR), heavy equipment rescue (traffic collision and industrial accidents), assist with remote area rescue (snowmobile/ATV), and other technical rescues that require skills, knowledge and equipment beyond those of initial responders, including the use of air resources in rescue operations.

Action: Add personnel to the Schedule A engines to achieve three persons daily staffing.

Currently, two SCFD Schedule A engines are funded to staff two personnel daily. In 2001, the National Fire Protection Association (NFPA) issued the standard NFPA 1710. The NFPA 1710 standard for staffing is four personnel per engine. Adding an extra firefighter daily to the staffing of the Schedule A engines to three personnel per engine would move the Department closer to the recommend NFPA standard. Additional staffing improves efficiency of operations and firefighter safety. Furthermore, increased staffing adds to the Department's ability to mitigate incidents at a faster rate. Increased staffing reduces commitment time per incident and decreases the number of engines needed. The additional staffing also helps reduce issues with the federal mandate requiring personnel with two in/two out under the IDLH (Immediate Danger to Life and Health) environment.

GOAL 2

RECRUIT AND RETAIN VOLUNTEER FIREFIGHTERS

Action: Increase Volunteerism for SCFD.

Five years ago the number of SCFD volunteers rostered was approximately 200 out of a total allotment of 385. Today, the rostered number of SCFD volunteers is 163 (with only 48 of those volunteers responding to a least 20% of all incidents dispatched in Shasta County). Over the years, there has been a steady decline in volunteerism that has an impact on the communities served. In recent years, SCFD has seen many long-tenured volunteers retire from serving their communities and replacing those volunteers has been difficult. Thirty-two percent of the Department's volunteers are age 50 and over. SCFD plans to focus its attention on recruitment of new volunteers that wish to pursue a firefighting career, with community involvement as a key factor in strengthening volunteer numbers. The implementation of the reserve program will add an incentive to new recruits, not only for pay, but for those who desire to add response experience and knowledge to pursue a career in the fire service.



Action: Utilization of social media for information and community advertising for volunteers.

As social media has become a staple for information flow in society, SCFD will look to evolve within the realm of social media for Department information release and recruitment of new volunteers. Through advertisements and utilizing the SCFD website, the process to gather information needs to be easy and informative for potential candidates. The Department will explore social media platforms such as Instagram and Facebook. The use of the SCFD Twitter account has proved successful for information release regarding SCFD activities over the last few years. Likewise, the continued use of traditional media mediums as road signs, bill boards, public events and a Public Information Officer to effectively convey the opportunities available within SCFD are still relevant.



Follow [@CALFIRESHU](https://twitter.com/CALFIRESHU) on Twitter

Official Twitter Account of CAL FIRE Shasta-Trinity Unit and Shasta County Fire Department

GOAL 3

ORGANIZE FOR OPERATIONAL EFFICIENCY

Action: Determine future need for appropriate consolidation of volunteer companies.

Efforts to recruit and retain volunteers for SCFD are always a priority for the SCFD Administration and the volunteer companies. As volunteerism declines, viable options for a volunteer emergency response force in Shasta County needs to be identified. In the communities where the SCFD volunteer numbers are low and reliable responses to incidents vary, the consolidation of volunteer companies is an option that will benefit multiple communities. Having combined volunteer companies that support adjoining communities would allow for responders to rotate to a specific area that is lacking a response with equipment and personnel.

Action: Effective use and positioning of SCFD mobile equipment.

Appropriately leveraging current and expected volunteer staffing and skill levels with the right kind of equipment benefits the Department and communities the equipment serves. SCFD will need to identify excess equipment that may be underutilized due to a shrinking volunteer force, and establish the optimal location for equipment and response capability for community needs based on call volume, call types, response types and volunteer company personnel numbers. As tenured volunteers retire from SCFD, a realistic approach to equipment utilization in the county would allow for the proper placement of water tenders, engines, and rescue vehicles throughout the county.

Action: Modernization of the mobile equipment fleet.

Over the last 10 years, SCFD has been on an aggressive water tender replacement plan to replace aging water tenders with newer versions capable of serving the department and communities for the next few decades. SCFD will need to continue to modernize the response fleet and equipment to adapt to changing needs within the communities served. The practice of rotating Type II fire engines from the Schedule A program to the volunteer companies is sound fleet management. Currently, many of the Type III fire engines within the fleet are 30-plus years old. Replacing Type III engines is cost effective and addresses the needs of wildland urban interface areas of the county.

Action: Establish a countywide municipal ordinance requiring businesses to install a rapid entry system.

SCFD does not require commercial, industrial, or residential buildings protected by an automatic fire suppression or standpipe system to install a rapid entry system (systems similar to a “Knox Box” or “Click2Enter” system allowing immediate fire department access to verify the existence of a fire or provide general emergency assistance). The Shasta County Department of Resource Management, Building Division, does not have a countywide municipal ordinance requiring certain buildings to install, at the owner’s or operator’s expense, a rapid entry system prior to receiving an occupancy use

permit. Rapid entry systems have been providing firefighters with rapid access into buildings and security gates for over 20 years. Currently, over 11,500 fire departments nationwide depend on the benefits of a proven rapid entry system. It is recommended that the Shasta County Department of Resource Management, Building Division adopt and enforce, through its permit process, a countywide municipal ordinance requiring buildings to install a rapid entry system meant to reduce the liability of the SCFD carrying unsecured keys and gate codes/combinations on its apparatus and reduce the amount of forced and delayed entries.

GOAL 4

ENHANCE THE TRAINING BUREAU TO PROVIDE EFFICIENT SERVICE TO DEPARTMENT STAFF

Action: Provide a full-time Office Technician for Shasta County Fire Training.

The Shasta County Training Bureau averages over 2,800 instructor hours per year and a SCFD volunteer attends over 100 hours of focused training in a year. State laws require that training records be maintained for each of these volunteers, recording every training topic and hour. Additionally, certificates must be printed and distributed for certified trainings throughout the year. It is difficult for the uniformed training staff to carry out the training and fulfill the clerical workload as well. State law requires volunteer firefighters to obtain the same training level as full-time career firefighters. The SCFD is comprised of 163 volunteers on average. State and federally mandated training for firefighters is completed and presented by the winter training officers in the evenings at the SCFD facilities. The training sessions are a minimum of three hours each evening. Documentation of training records are vital to any fire department. A full-time dedicated Office Technician assigned to the Training Bureau would provide organization and much needed clerical support.

Action: Continue support of the Cooperative Regional Training Facility (SHIELD).

After years of persistent work by local agencies, the initial phases of the Cooperative Regional Training Facility have been completed. Through cooperative relationships with Shasta College and other fire and law enforcement agencies, the continued support of SHIELD will be key to improving and building the future success of the program and facilities. There are still multiple phases to the facilities that will need to be constructed and supported by all fire, EMS, and law enforcement agencies involved.



Action: Provide a full-time SCFD EMS Coordinator.

Much of the SCFD calls for service are medical in nature. The EMS field is continually evolving, requiring constant training and communication. On

average, there is a total of 10 weeks of EMS training delivered to the volunteers throughout the year. There is limited commitment to the EMS program during fire season due to other duties required from the state employee administrating the EMS function. EMS training compliance oversight is assigned as part of their other duties. Having a full-time EMS coordinator would allow for expansion of training on a year-round basis. The coordinator would recruit EMS instructors, act as liaison with ambulance companies and EMS service providers, ensure field personnel have updated training and complete reporting.

GOAL 5

USE OF TECHNOLOGY FOR PROGRAM ADVANCEMENT AND MANAGEMENT

Action: Electronic records retention service for Fire Prevention and Fire Marshal's Office.

Records dating back to the 1980s for SCFD are stored in paper form at the CAL FIRE/SCFD Headquarters in Redding. The paper records are cumbersome, bulky, antiquated and take up massive storage that does not allow for a simplified mechanism to extract data for investigations and research purposes. The ability to have a scanning service scan all past, current, and future documents electronically will enable Fire Prevention and the Fire Marshal's Office staff to review thousands of documents without physically researching and pulling hard copy files. Electronic record storage will enable a faster, accurate, and thorough records system to benefit the citizens of Shasta County that the SCFD Fire Prevention Bureau serves.



Action: Ensure continued availability of Mobile Data Terminals (MDTs) for Prevention and Law Enforcement.

In the SCFD 2014 Master Plan, one of the objectives listed is to provide the use of mobile data terminals in the vehicles for Fire Prevention and law enforcement use. In 2015, SCFD applied for and received a grant to outfit four Fire Prevention vehicles with the MDTs. The benefit of MDT equipment is to reduce radio traffic with the Emergency Command Center and enable the officer to run criminal history checks such as, warrant, arson, parole, and probation checks, while in the field. Over the next five years, upgrades to the MDTs will be needed to ensure that the valuable tool continues to be available to Prevention and Law Enforcement personnel.

Action: Upgrade field use communication equipment.

As technology in the communication field continues to evolve, the SCFD equipment used for emergency response must continue to be and upgraded for statewide response. Current SCFD handheld radios and apparatus radios are analog in nature. New communication radios use digital frequencies and allow for larger frequency capacity. The use of digital radios will enable operators to communicate more effectively on all-hazard incidents, while complying with National Interagency Fire Center (NFIC), Federal Communications Commission (FCC) and CAL OES Public Safety Communication standards. Upgrading SCFDs radios over the next five years will allow for the Department to be proactive rather than reactive to communication standards.



GOAL 6

FINANCIALLY SUPPORT CHANGING LEVELS OF SERVICES AND STRENGTHEN COOPERATIVE RELATIONSHIPS FOR COMMUNITIES SERVED

Action: Provide stable annual budget support.

The yearly analysis by SCFD administration for line item budget review will help to identify efficiencies, inefficiencies, and priorities for budget allocations. As service levels change and calls for emergency response rise in the county, appropriate budget support will need to be addressed. SCFD relies on fire reimbursement to support an annual balanced budget. Fire reimbursement is paid to the county for the use of SCFD personnel and equipment on emergency incidents by other jurisdictions, such as the State. Year to year, the Department's reimbursement revenue varies from high to low. This unpredictable revenue stream makes it difficult to forecast and balance the Department's operating budget. A goal is to increase, support, and fund a yearly, sustainable budget that allows scalability in fluctuating economic years and does not rely heavily on fire reimbursement to balance the budget.

Action: Promote cooperative relationships and agreements to increase level of service.

SCFD has both automatic and mutual aid agreements with emergency response cooperators within the county. Reciprocal agreements for the closest resource concept is a benefit to the county and communities served for each cooperator. Continuing to promote and strengthen cooperative relationships and agreements is for the greater good of the public, departments, and county. Agreements allow for additional personnel response staff and equipment, decrease in response times, safety elements, and overall emergency response capabilities to the agencies with the agreements.

Action: Evaluate the allocated use of Measure B funds and future assessment.

In 1986, the Shasta County Board of Supervisors established an ordinance (Measure B) levying a benefit assessment for fire suppression equipment and services in Fire Protection Service Area No.1. The proceeds of the assessment may be used to obtain, furnish, operate, and maintain fire suppression equipment or apparatus. Historically, SCFD has used Measure B funds only to purchase water tenders and fire engines and has not used the funds for tools and equipment for those apparatus purchased. When appropriate and if funds allow, the use of Measure B revenue to maintain, replace and upgrade tools, hose and equipment used on the fire suppression apparatus for the Department will be evaluated. Measure B was adopted 34 years ago. Due to the growth in the economy, and inflation, the price of fire equipment has increased over the last 34 years. It will be necessary to evaluate the Measure B assessment to ensure adequate funds are available to maintain a reliable and updated fleet of SCFD fire equipment.



Action: Establish a joint winter Schedule A agreement between Shasta College and SCFD for fire protection in northern Shasta County.

Shasta College has an operating agreement with CAL FIRE where by CAL FIRE provides EMS and fire protection to Shasta College. The Shasta College fire station (Station 73) location is an advantage for the college response, and State Responsibility Area (SRA) response for CAL FIRE. Station 73 is also located in an optimal response location for county response calls (SCFD incidents). In 2019, Station 73 responded to 1013 county responsibility calls for service. The Shasta College response calls equaled 20 and SRA calls for service were 133. The vast majority, or eighty-six percent, of the call volume from Station 73 were county response calls. The substantial amount of county responsibility calls necessitates a Shasta County operating agreement with Shasta College to provide a wintertime staffed SCFD Schedule A engine. CAL FIRE will provide the engine and personnel staffing during fire season. The engine and personnel would be joint funded between Shasta College and Shasta County.



2020-2025 MASTER PLAN

SERVICE * COOPERATION * PROTECTION

REPORT TO SHASTA COUNTY BOARD OF SUPERVISORS

BOARD MEETING DATE: May 12, 2020

CATEGORY: Regular - Other Departments-5.

SUBJECT:

2019 Shasta County Fire Department Annual Report.

DEPARTMENT: County Service Area No. 1-County Fire

Supervisory District No. : All

DEPARTMENT CONTACT: Bret Gouvea, Fire Warden, (530) 225-2418

STAFF REPORT APPROVED BY: Bret Gouvea, Fire Warden

Vote Required?	General Fund Impact?
Simple Majority Vote	No Additional General Fund Impact

RECOMMENDATION

Take the following actions: (1) Receive a presentation on the 2019 Shasta County Fire Department Annual Report; (2) receive a report on Shasta County Fire Department’s compliance with fire safety inspections pursuant to Health & Safety Code sections 13146.2, 13146.3, and Shasta County Code section 8.08.040; and (3) adopt a resolution to acknowledge receipt of the report from the Fire Warden of Shasta County Fire Department’s compliance with fire safety inspection requirements pursuant to Health & Safety Code section 13146.4 and Shasta County Code section 8.08.040.

DISCUSSION

In 2019, SCFD dispatched 14,079 total incidents. Because SCFD is an all risk department these calls for service include vegetation fires, structure fires, medical aid calls, hazardous material calls, public assists, and requests from law enforcement.

SCFD has included information on the fire safety inspection program in the Annual Report in compliance with California Senate Bill 1205 (SB1205). Passed in September 2018, SB1205 requires any jurisdiction performing certain types of fire safety inspections to annually report to their governing board on their compliance with Health & Safety Code sections 13146.2 and 13146.3. SCFD is currently in compliance with the inspection requirements, performing 215 inspections of public buildings including hotels/motels, apartment buildings, and schools. By adopting the included resolution, the Board will acknowledge they have received the SCFD report on compliance with the fire safety inspection requirements pursuant to Health and Safety Code section 13146.4, as well as Shasta County Code 8.08.040.

A copy of the 2019 SCFD Annual Report is available for review at the Shasta County Clerk of the Board

office.

ALTERNATIVES

The Board may choose not to receive the reports at this time. The Board may choose to request additional information about the fire safety inspection program or choose to not adopt the resolution at this time. SCFD would not be in compliance with Health & Safety Code 13146.4 and Shasta County Code section 8.08.040.

OTHER AGENCY INVOLVEMENT

The County Administrative Office has reviewed this recommendation. County Counsel has approved the resolution as to form.

FISCAL IMPACT

There is no fiscal impact associated with the presentation or adoption of the resolution.

ATTACHMENTS:

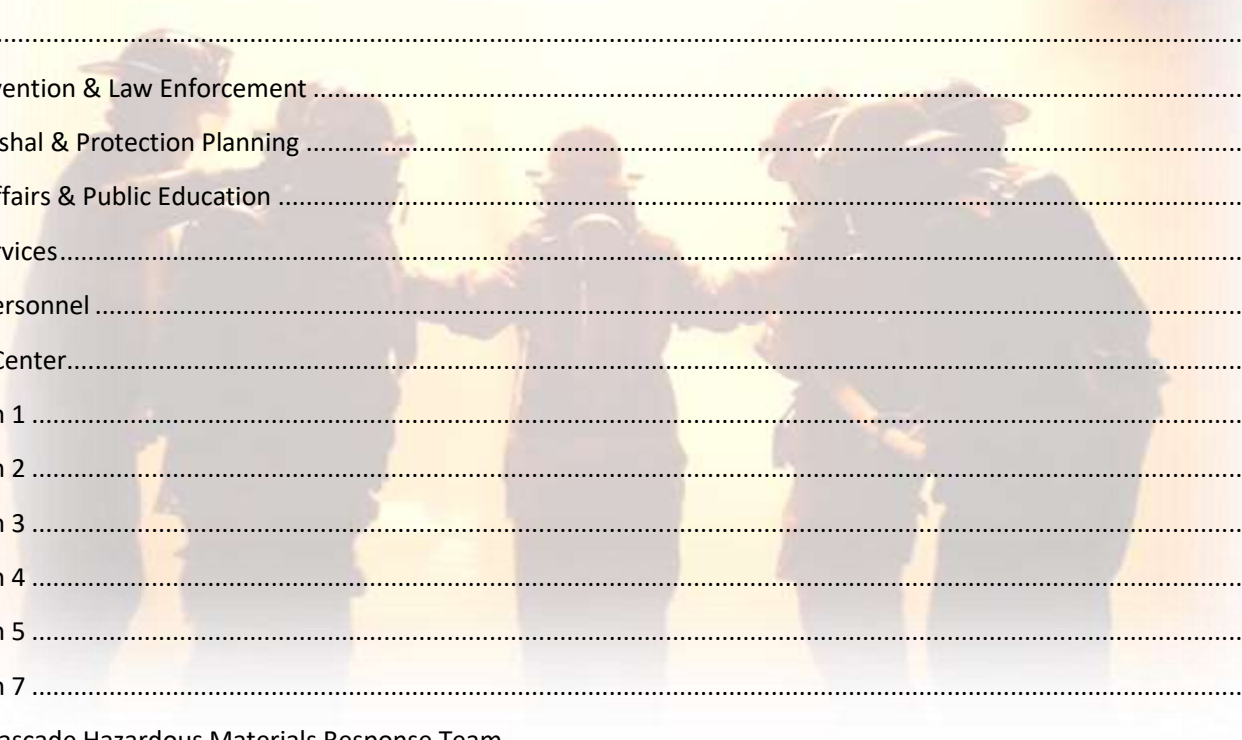
Description	Upload Date	Description
2019 SCFD Annual Report	5/4/2020	2019 SCFD Annual Report
Fire Safety Inspection Report Receipt Resolution	5/4/2020	Fire Safety Inspection Report Receipt Resolution



Shasta County Fire Department
in Cooperation with CAL FIRE
2019 Annual Report



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Mission Statement:

To stand ready to protect life, property, and the environment utilizing trained and equipped personnel. The mission includes structural and wildland fire control, first response medical care and appropriate assistance to other agencies during emergency incidents.

Vision Statement:

To provide emergency service to the communities of Shasta County and provide mutual aid to allied agencies for the common good of the citizens of Shasta County.



Shasta County Fire Department Values

Service

- We are committed to the safety and well-being of the public and our employees.
- We are committed to our volunteer and career workforce and strive to support its training and administrative needs.
- We strive for excellence and professionalism.

Cooperation

- We continue to improve cooperative relationships within county programs and allied agencies.
- We maintain and enhance cooperative agreements, focusing on what is best for the community.
- We continue to build a support structure that enables and encourages volunteerism.

Protection

- We provide the equipment, training, and resources to our employees that enable them to serve the local communities.
- We value the diversity each employee brings to the department.
- We recognize the importance of clear communication to all employees and cooperating agencies.
- We provide training and support to the workforce, which promotes a calm resilience during emergencies.

Message from the Chief...

It is my sincere pleasure to present the 2019 Shasta County Fire Department Annual Report. The purpose of this report is to provide updates to the goals and objectives previously identified in the Department's "2014 Master Plan" as well as fire department activities for the calendar year.

Not unlike other departments in the fire service, the men and women who serve in this Department do so with a passion and commitment that has always been the guiding tradition of the fire service. Our mission details our commitment to the communities we serve. As part of that mission, we strive daily to improve our core capabilities to provide the best level of service possible.

This past year is best characterized as a year of recovery. It is the first year in the past six that the State has not been inundated with multiple major emergencies stretching our staff beyond their limits. Although the County is still in the midst of recovering from catastrophic fire, I am referring more to the recovery of the Shasta County Fire Department personnel as a whole. We as a Department received somewhat of a break for both physical and mental recovery. The break from major catastrophe has also been extended to our many cooperators as well as the public we serve.

We live and work in a county that is unlike any other in the nation. The area offers natural beauty, recreational activities and is centrally located near many of the State's popular travel destinations. Additionally, our community is comprised of citizens filled with a sense of pride and unity that makes Shasta County special. I am very proud and humbled to lead an amazing group of professionals, both volunteer and career firefighters, as we continue to serve this county as well as others in times of need. The Department's accomplishments, with the resources provided to us by our elected officials on behalf of our citizens, is amazing!



Sincerely,

Bret Gouvea

Shasta County Board of Supervisors



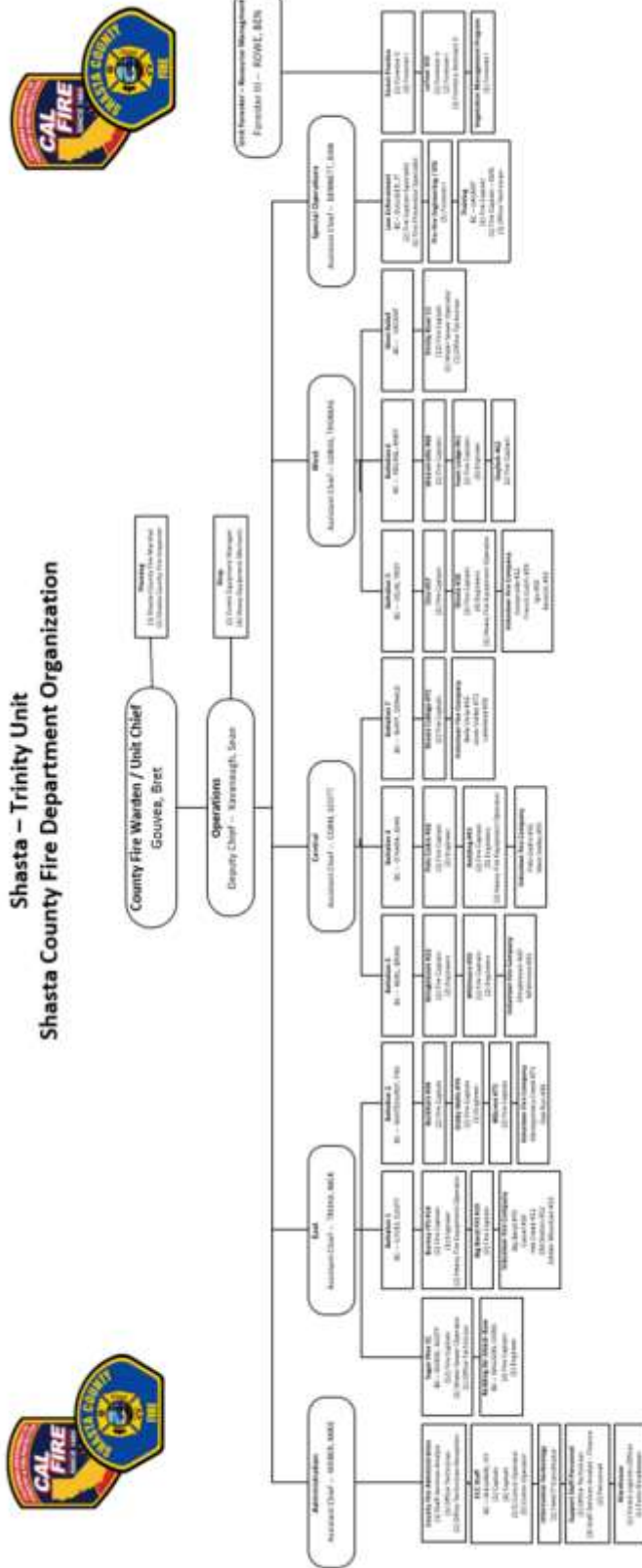
*Joe
Chimenti*
District 1
Redding

*Leonard
Moty*
District 2
Centerville
French Gulch
Happy Valley
Igo/Ono
Keswick
Platina
Shasta
South Redding
Verde Vale

*Mary
Rickert*
District 3
Bella Vista
Big Bend
Burney
Cassel
Fall River Mills
Hat Creek
McArthur
Montgomery
Creek
Oak Run
Old Station
Palo Cedro
Pittville
Round Mountain
Whitmore

*Steve
Morgan*
District 4
Castella
Crag View
Lakehead
Shasta Lake
Mountain Gate

*Les
Baugh*
District 5
Anderson
Cottonwood
Millville
Manton
Shingletown
Viola



Volunteer Years of Service

40 or More Years of Service

Richard Hathaway Jr – *Hat Creek*
Russell Miller – *Igo-Ono*
John Parrish – *Old Station*

30 or More Years of Service

Don Chaix – *Cassel*
Tom Coe – *Soldier Mtn.*
Don Cook – *Whitmore*
Bill Ellis – *Whitmore*
Don Fennell – *Montgomery Creek*
Randy Garner – *Hat Creek*
David Green – *Big Bend*
Richard Hathaway III – *Hat Creek*
Kenneth Laughlin – *Hat Creek*

25 or More Years of Service

Linda Barneby – *Oak Run*
Linette Chaix – *Cassel*
Dan Hebert – *Cassel*
Mel Nordstrom Jr – *West Valley*
Cliff Shattuck – *French Gulch*
Ron Smith – *Bella Vista*

20 or More Years of Service

John Allen – *Oak Run*
Theresa Carroll – *Montgomery Creek*
Richard Danielson – *Montgomery Creek*
Norville Hanke – *Centerville*
Michael Loew – *Shingletown*
Greg Mayer – *Soldier Mountain*
Arthur Peaslee – *Shingletown*
Stephen Trotter – *Montgomery Creek*
Bernie Zornes – *Cassel*

15 or More Years of Service

John Catrucco – *Centerville*
John Cladopoulos – *Montgomery Creek*
Wendy Cross Finely – *French Gulch*
Stephen Cureton – *Hat Creek*
Sy Giles – *Big Bend*
James Miguel – *Cassel*
David Painter – *French Gulch* Amanda Peri –
Bella Vista
John Robbins – *Solider Mtn.*
Sara West – *Whitmore*

10 or More Years of Service

Brian Abbott – *Whitmore*
Robert Baker – *Bella Vista*
Michael Bowling – *Shingletown*
Kevin Clay Jr. – *West Valley*
Traci Clay – *West Valley*
Slade Giles – *Jones Valley*
Robert Maxey – *Oak Run*
Shawn Plummer – *West Valley*
Fred Wyckoff – *West Valley*
Patricia Wyckoff – *West Valley*

2019 Shasta County Volunteer Fire Department Calls

	Veg Fires	Structure Fires	Other Fires	Medical	Hazmat / FMS	Public Assists / Other	Total
Company 10	19	7	21	110	2	6	165
Company 11	10	3	5	104	1	3	126
Company 12	4	2	4	67	0	0	77
Company 13	14	3	14	49	1	1	82
Company 20	9	5	47	524	8	40	633
Company 30	9	5	9	65	2	2	92
Company 31	5	1	4	49	2	3	64
Company 32	37	21	77	340	16	40	531
Company 33	36	10	60	460	15	55	636
Company 50	29	6	34	76	4	6	155
Company 52	5	4	19	129	10	22	189
Company 53	5	0	12	52	3	5	77
Company 54	9	1	21	228	8	12	279
Company 55	25	14	25	165	5	19	253
Company 59	4	1	8	82	0	7	102
Company 70	4	1	3	15	0	0	23
Company 71	13	6	28	277	3	16	343
Company 72	10	1	14	157	2	8	192
Total	247	91	405	157	82	245	4019

2019 Shasta County Incidents and Responses

Shasta County Fire Department/CAL FIRE Incidents and Response

Station 14: Burney	514
Station 19: Big Bend	38
Station 22: Shingletown	744
Station 32: Palo Cedro	722
Station 34: Buckhorn	92
Station 35: Whitmore	73
Station 43: Redding	1990
Station 57: Ono	130
Station 58: Shasta	607
Station 73: Shasta College	1166
Station 74: Diddy Wells	206
Station 75: Hill Crest	162

Independent Fire Protection Districts Dispatched by SCFD/CAL FIRE

Station 15: Fall River Mills Fire Protection District	131
Station 16: McArthur Fire Protection District	120
Station 17: Burney Fire Protection District	795
Station 21: Millville Fire Protection District	214
Station 23: Cottonwood Fire Protection District	1,335
Station 41: Mountain Gate Community Services District	654
Station 42: Shasta Lake Fire Protection District	1,400
Station 44: Happy Valley Fire Protection District	759
Station 46: Anderson Fire Protection District	2,932
<u>Station 56: Shasta Community Services District (Old Shasta)</u>	<u>170</u>

Total responses will exceed total incidents for the year due to multiple stations/districts being dispatched to the same call. For example, a dispatch for a traffic collision in parts of Centerville will include a Battalion Chief, a paid engine, SCFD Companies 50 and 52, and Happy Valley FPD.

2019 SCFD Chief Officer and Prevention Calls

	Veg Fires	Structure Fires	Other Fires	Medical	Hazmat / FMS	Law Enforcement	Public Assists Other	Total
B2407	16	6	25	35	0	0	4	86
B2408	5	3	6	14	0	0	0	28
B2409	7	1	10	18	0	0	4	40
B2411	35	8	42	81	4	2	4	176
B2412	22	8	26	76	1	15	6	154
B2413	42	19	55	101	1	0	2	220
B2414	33	12	65	102	1	1	4	218
B2415	28	7	47	85	0	0	3	170
B2416	14	3	32	67	2	0	5	123
B2417	35	12	53	93	0	13	3	209
B2418	31	8	35	68	0	0	2	144
B2419	15	10	35	74	1	9	8	152
B2420	69	13	70	7	1	91	15	266
P2421	62	22	71	17	1	300	9	482
P2423	49	15	59	15	1	103	11	253
Total	463	147	631	853	13	534	80	2721

Redding Emergency Command Center

The Redding Emergency Command Center (ECC) is a secondary Public Safety Answering Point (PSAP) and is staffed 24/7 with a minimum of two personnel during the winter and three personnel during the summer months to facilitate dispatching appropriate resources to emergencies county wide. The Redding ECC is staffed with 12 permanent employees. Overseeing the operation is one Battalion Chief, six Fire Captains and five Communications Operators working alternating shifts. Collectively, these employees have the field experience, local historical knowledge, and technical expertise to take full advantage of the state of the art Computer Aided Dispatch (CAD) System. These dedicated employees dispatch for 14 State Fire Stations, 18 Shasta County Volunteer Fire Companies, and 10 Fire Protection Districts throughout Shasta and Trinity Counties. Dispatch plans are tailored to the type of incident being dispatched in each area. However, information gathered from 911 callers, weather monitoring, and fire history for a given area are also used to determine if the appropriate amount of resources being dispatched to an incident. The ECC Captain provides input and oversight while functioning as a 24-hour duty officer. The Captain uses their field experience to initially command the incident prior to the first arriving field unit and is given full authority to modify a response based on the information received. The ECC is co-located with the U.S. Forest Service dispatch center for the Shasta-Trinity National Forest, which provides for more efficient and coordinated use of each agency's resources to ensure that the closest resource, regardless of jurisdiction, is dispatched to an incident within Shasta County.

In 2019, the ECC processed a total of 14,079 incidents and assisted with deploying resources to incidents throughout California's Northern Region. Locally, the ECC maintained the resource ordering and status for incidents such as the Cottage and Mountain Fires as well as committing local ECC staff to 35 days out of unit to assist other units with resource ordering for expanding incidents. The ECC handled over 68,435 telephone calls for the 2019 season on both the business and 911 incoming lines. Our ECC staff communicates daily with the CAL FIRE Region Operations Coordination Center providing staffing information, personnel availability, ground/air resources availability, and local incident resource needs.

Moving into 2020, Shasta County will receive an influx of new technology with upgrades to our 911 phone system in the form of Text to 911, Rapid Deploy (location accuracy and validation), and Next Generation Phone Systems upgrades. Working with CAL OES Public Safety Communications we will be converting mountain top repeaters from analog hardware to digital as well as continuing to replace fleet mobile equipment TK-790 radios with Bendix King M-150's.

We look forward to the challenges and successes 2020 may bring and stand ready to provide the citizens of Shasta County with the most professional services that fire service can provide.



Training

The Shasta County Fire Department / CAL FIRE Shasta-Trinity Unit Training Bureau delivers and coordinates various formal and informal training courses to volunteer and career firefighters throughout the year. Our mission is to assure quality service to the public by developing the skills and abilities of all Shasta County Fire Department's and CAL FIRE Shasta-Trinity Unit's personnel. We ensure that all federal, state, local and departmental training mandates, laws and regulations are followed as they pertain to training. The Training Bureau coordinates and delivers the initial and ongoing training requirements of approximately 500 personnel between SCFD career and volunteer staff and CAL FIRE Unit uniformed operational staff and non-uniformed support staff. This is accomplished through training that is efficient, economical, and consistent with the needs of the public, the County of Shasta, the Fire Department and its members. These training topics include: Structure Fire Operations, Emergency Medical Response, CPR, Ropes & Knots, Hazardous Materials, Vehicle Extrication, Pump Operations, Map Reading & GPS, Fire Investigation, Fire Safety/Operations, Rescue, Incident Command Training and numerous others. We operate within and enforce the policies and procedures of CAL FIRE, Shasta County Fire Department, and the Fire Chief's Association of Shasta County as they relate to training requirements. On average, the Training Bureau supplies over 4000 instructor hours, and the members of Shasta County Fire Department and the CAL FIRE Shasta-Trinity Unit participate in over 20,000 hours of training each year.

The Training Bureau is staffed with one Battalion Chief who oversees all aspects of the Training Bureau; their primary mission is the coordination and delivery of training requirements for the CAL FIRE Unit personnel. Additional staffing includes one Fire Captain who serves as the Shasta County Fire Department Training Officer, one Fire Captain who functions as the SCFD and CAL FIRE – SHU EMS Coordinator, and one Office Technician to support all the programs. In the winter months, by agreement with Shasta County Fire Department, our staff is augmented with 4 additional field personnel, outfitted with vehicles and specialized equipment. These four Training Officers' primary mission is to deliver quality training courses and topics to the 18 Volunteer Fire Companies that make up the Shasta County Fire Department. These trainings are predominantly delivered on weekends or in the evenings to accommodate the needs of SCFD volunteers and are coordinated at various times throughout the fall, winter and spring months to meet the needs of career personnel. In addition to training coordination and delivery, the Training Bureau augments the response capabilities of Shasta County. In 2019 the Training Bureau responded to 287 emergency calls for service.



The Training Bureau continues to evaluate our processes and improve the training program for both SCFD and the local Unit. In 2019, the Training Bureau finalized three of the objectives outlined in the SCFD Master Plan: Full time Office Technician dedicated to the Training Bureau, addition of one full-time Fire Captain to oversee the EMS program, and establish a formal agreement with Shasta College for the Cooperative Regional Training Facility. The Training Bureau continues its successful relationship with Shasta College through the Shasta Tehama Trinity Public Safety Training Consortium (SHIELD). Through this relationship, we deliver and participate in regional training courses throughout Shasta, Tehama and Trinity Counties. The Training Bureau continues to be a lead agency in the development of SHIELD's facility and programs. We look forward to the upcoming year and continued improvement in all our programs



Fire Prevention & Law Enforcement

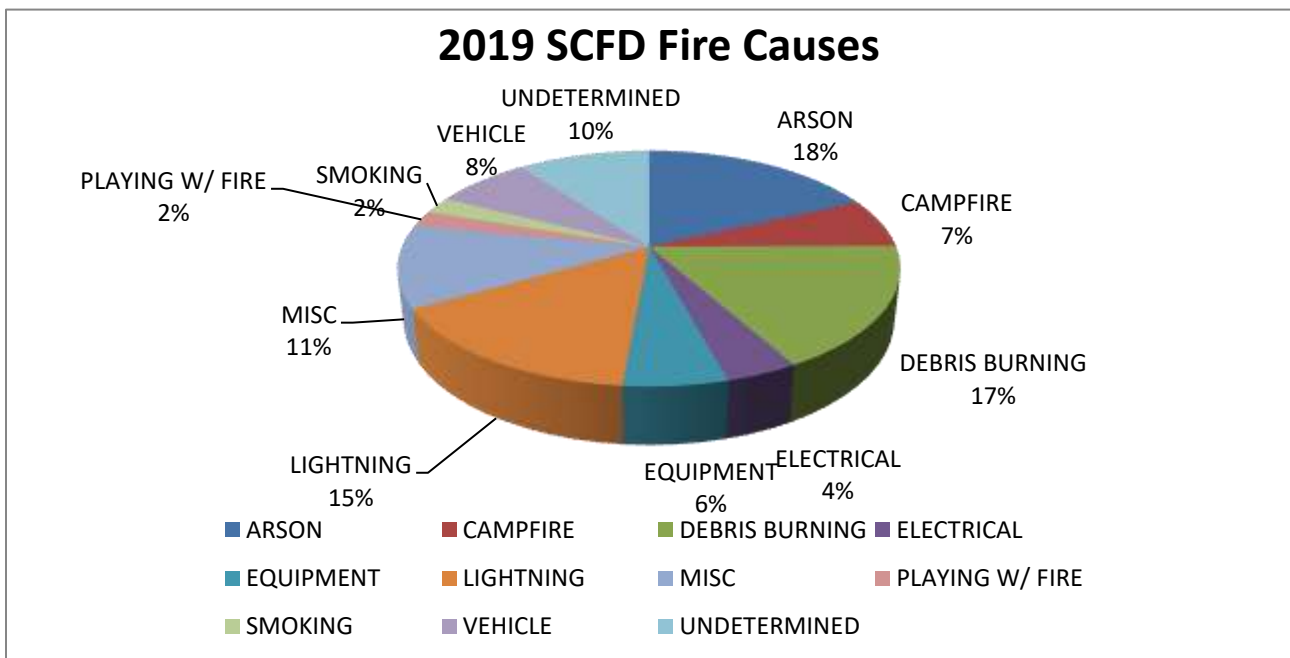
Three full-time law enforcement officers assigned to the Prevention Bureau conduct fire investigations and enforce forest and fire laws. While these officers have other primary duties, each are responsible for responding to incidents requiring a law enforcement officer/investigator response. In addition to the three fire investigator peace officers, there are six other peace officers in the Unit.

In 2019, the Fire Prevention Bureau responded to, or were involved in, 927 incidents. One hundred thirty-seven citations were issued, and seventy in-custody arrests were made.

Major Incidents responded to were:

Mountain Wildfire: Jones Valley (Under investigation) - (August 22)

South County Arson Series: South Redding, Happy Valley, and Anderson – (August through September)



Fire Prevention Bureau Chief/ Peace Officer–B2420 J.T. Zulliger

The Prevention Bureau Chief is a state-funded position occupied by Battalion Chief J.T. Zulliger. Chief Zulliger has served as the Prevention Bureau Chief position since July 2016. Chief Zulliger is responsible for oversight of law enforcement, investigations, and civil cost recovery for CAL FIRE/SCFD.

Fire Captain Specialist/Peace Officer–P2421 Darren Stewart

The Fire Captain Specialist position is state-funded and is held by Fire Captain Specialist Darren Stewart. Captain Stewart has been in the Prevention Bureau since 2010 and is responsible for general law enforcement duties. He also completes railroad and powerline safety inspections. In addition, he reviews and analyzes fire ignitions to determine problem area and causes.

Fire Captain Specialist/Peace Officer–P2423 Matt Alexander

Matt Alexander is the Shasta County-funded Fire Captain Specialist. Captain Alexander is responsible for structure fire investigation in addition to other fire investigation and law enforcement duties. Captain Alexander leads defensive tactics and firearms trainings for SHU’s law enforcement trainings.



Pre-Fire Engineering–P2422 Nick Wallingford

The Pre-Fire Engineering position is a state-funded position occupied by Captain Nick Wallingford. Captain Wallingford is responsible for collecting and analyzing fire ignition data for all fires within CAL FIRE/SCFD’s jurisdiction. This data is prepared for inclusion in the Shasta-Trinity Unit’s Fire Plan, a public document. This plan is a framework that the Shasta-Trinity Unit uses to identify fire severity problem areas where targeted fuel reduction projects can be initiated. The projects are typically carried out by resource conservation districts or fire safe councils through grant funding at the federal or state level. The pre-fire engineer supports resource conservation districts, fire safe councils, incident management teams, and emergency incidents by providing consultation and mapping services.

Office Technician – Jean Grey

The state-funded position provides clerical support for CAL FIRE law enforcement office and the County Fire Marshal’s Office. Duties include documentation records retention, database management, correspondence, public records requests, and special projects.



Fire Marshal & Protection Planning

County Fire Marshal – P2425 Jimmy Zanotelli

Jimmy Zanotelli was appointed Shasta County Fire Marshal in 2016. He has served in the Shasta County Fire Marshal’s Office since 2005. Fire Marshal Zanotelli enforces the County’s Fire Safety Standards and California Fire Code under the oversight of the County Fire Warden/SCFD Fire Chief. The Fire Marshal works in cooperation with the Shasta County Planning Division by approving commercial project plans and participating in Planning Commission meetings. Fire Marshal Zanotelli also serves as a public information officer during large fires and other newsworthy events.

County Fire Safety Inspector – P2426 Scott Ross

Scott Ross has served as the Shasta County Fire Safety Inspector since September 2016. The County Fire Inspector is responsible for plan review, on-site inspections for driveway standards, setback exception requests, commercial and residential fire sprinklers, and annual life safety fire inspections of businesses in Shasta County. The Inspector also performs fire alarm and hydrant test inspections. Inspector Ross performed public information officer field work in 2018.



The Fire Safety Standards can be found at the Shasta County Fire Department website: www.shastacountyfire.org

Fire Inspector’s Activity	2018	2019	Fire Marshal’s Activity	2018	2019
Inspections	212	180	Parcel Maps	5	3
Violations	85	30	Property Line Adjustments	20	25
Re-Inspections	32	20	Use Permits	12	12
Exception Requests	53	52	Zoning Amendments	3	3
Fire Sprinkler Acceptance Test	191	308	Other/Misc	9	20
Commercial Hood Acceptance Test	2	0	Plan Reviews	653	1069
Administrative Permits	43	51			
School Inspections	21	21			
Hotel/Motel Inspections	14	14			

Public Affairs & Public Education

Fire Prevention Specialist - Cheryl Buliavac

The Public Education Program provides a long list of valuable programs to the public to promote and teach fire safety to all ages through a variety of delivery methods. The Fire Prevention Specialist also serves as Public Information Officer. Informing our citizens of newsworthy information is one of our top priorities.

Our firefighters are committed to serving the community and remain focused and engaged with the public through special events and activities, while fostering positive relationships with our community partners.

In addition to their regular duties, our firefighters support the community and each other in many ways to make a difference, including Battle of the Badges Blood Drive, toy drives, fairs, Sierra Cascade Logging Conference, Shasta Youth Leadership Camp and the Patriot Day Ceremony to name a few.

We love our community and enjoy countless station tours and school visits, where we educate children in fire prevention and fire safety.

The Fall 2019 Youth Firesetter Prevention & Intervention (YFPI) Fire Safety Academy was held at Anderson New Technology High School in Anderson and included 25 staff members, 32 youth fire setters, 16 siblings, and 50 parents. Almost one third of the youth fire setters started fires in Shasta County Fire Department's jurisdiction in 2019.



Fleet Services

Jason Rodgers is the Forestry Equipment Manager (FEM) of both the CAL FIRE and Shasta County fleets. The County fleet is comprised of 102 vehicles that include fire engines, water tenders, rescues, and boats. FEM Rodgers also oversees the CAL FIRE fleet which includes approximately 150 pieces of fire equipment. The SCFD fleet is maintained by two full-time heavy equipment mechanics (HEM's), Ben Onopa and Delbert Bellus. These mechanics service and maintain the SCFD equipment in the field, at SCFD Volunteer Fire Stations, and at the shop located at Shasta-Trinity Headquarters.

The fleet maintenance budget is roughly \$130,000, which includes \$20,000 in Measure "B" funds. County Fire strives to maintain a reliable fleet. The goal is to maintain a robust replacement schedule based on a vehicle's years of service and miles driven. However, this process has been complicated by the increased cost of new fire equipment which has outpaced the Measure "B" replacement funding. To maintain a 20-year replacement schedule on fire apparatus, the Department would need to purchase a new fire engine each year.

The current Measure "B" funding does not fulfil this need. The Department has been very aggressive in renting out fire apparatus during fire season to CAL FIRE during wildland fire emergencies. The equipment rental reimbursements that are received help offset the replacement cost. In Fiscal Year 2020/ 2021, the Department plans to purchase the following equipment: one Type 3 fire engine, one Rescue vehicle, and two utility vehicles. The engine will be replaced using Measure "B" funds. The utilities and Rescue will be purchased using reimbursement and budgeted funds.

Office Personnel

Shasta County Fire Department and CAL FIRE support staff members provide a wide variety of services to Shasta County volunteer firefighters and CAL FIRE firefighters. The support staff are committed to providing positive customer service to all SCFD volunteers, CAL FIRE firefighters, and cooperating agencies alike.

The SCFD and CAL FIRE support staff are administered by Mike Weber, Assistant Chief – Administration.

Julia Hayen, Staff Services Analyst, SCFD

Julia's responsibilities include the development and management of the SCFD budget as well as grant-funded expenditures and reimbursements. These activities often require written reports to the Board of Supervisors. Julia also creates and processes all payments to the volunteer firefighters (including training, call stipends, and reimbursement of fire pay) and provides annual reviews for their attendance and calculates service credits. She is also responsible for the creation of vendor contracts for services to the SCFD facilities.

Sierra Falkenstein, Office Technician, SCFD

Sierra is the face that greets the public and answers every type of question at the front reception desk or refers the public to the proper individual for answers. She performs a large volume of data entry and document management, including SCFD run reports. As the receptionist, she also acts as a first point of contact for information during any large fires occurring in Shasta County.

Rebecca Thompson, Office Technician, SCFD

Rebecca processes all new volunteer firefighters for SCFD. This process includes scheduling pre-employment physicals, completion of DOJ/FBI background checks, and testing for the use of self-contained breathing apparatus. She works cooperatively with Shasta County Risk Management on injury reporting and the addition of new volunteer firefighters. Rebecca also processes all accounts payable for the SCFD volunteer stations. She also works with CAL FIRE and SCFD staff to coordinate the annual SCFD Volunteer Appreciation Dinner.

Josh Williams, Personnel Specialist, CAL FIRE

Josh is responsible for processing documents relating to hiring, pay, and other benefits of CAL FIRE, Shasta-Trinity Unit's personnel. The total number of employees during the summer months supported by his efforts can total up to 307 personnel. This includes the CAL FIRE employees that are assigned to the Palo Cedro and Redding Stations' Schedule A program. Along with these duties, Josh works cooperatively with the Region and Sacramento CAL FIRE offices.

Alyssa Hagerman, Personnel Specialist, CAL FIRE

Alyssa is responsible for processing documents relating to hiring, pay and other benefits of Cal Fire, Shasta-Trinity Unit personnel. Alyssa is the Unit's Return to Work Coordinator and works with Region staff and State Worker's Compensation for employees injured while on duty. Alyssa is also responsible for the onboarding and layoff of the seasonal workforce each year.

Susan Chism, Staff Service Analyst, CAL FIRE

Susan processes and audits all financial documents that CAL FIRE incurs in the Shasta-Trinity Unit; inputs data for all expenditures and reconciliations of expenditures, while maintaining files for accountability. Susan works cooperatively with other state, federal, and county agencies to ensure all documents are submitted correctly and timely. She also processes and coordinates the distribution of payroll documents for CAL FIRE employees.

Tabitha Mallery, Staff Service Analyst, CAL FIRE

Tabitha is working in a newly created state funded position for the procurement methods with the new Fi\$cal system. Tabitha is responsible for Shasta-Trinity Unit's Headquarters and automotive shop, and all purchasing for those areas as well as monthly processing of CalCard statements.

Barbara Reynolds, Staff Service Analyst, CAL FIRE

Barbara is working in the second newly created state funded position to assist with the State's implementation of Fi\$cal. Barbara's assignment is to process pay documents for both State and County funded fire stations as well as monthly processing of CalCard statements.

Service Center

Colleen Sykes, Forestry Logistics Officer, CAL FIRE

Colleen Sykes' position is one of the key supporting functions for many operational needs in the Shasta-Trinity Unit and SCFD. She is responsible for understanding and implementing many policies, procedures, and regulations as they relate to purchasing through various contracts and vendors. She is the property manager for all State and Federal excess equipment and is responsible for its tracking. Colleen is the keeper of all personal protective equipment (PPE) for CAL FIRE, which includes, purchase, distribution and tracking for approximately 240 Shasta-Trinity Unit employees. Colleen makes emergency purchases to support local incidents, which includes feeding and housing firefighters and other personnel assigned to active incidents. She supervises and works with the SCFD Parts Storekeeper to ensure that all volunteer firefighters and CAL FIRE employees have the required equipment and supplies. Sykes also coordinates the overall maintenance of the headquarters facility. She supports the cleaning and office supply needs for all the Chief Officers and stations in the Unit. Colleen retired from CAL FIRE in December 2019, her spunky personality and wealth of knowledge will be greatly missed!

Allen Carroll, Parts Storekeeper, SCFD

Allen Carroll has the daunting task of making sure that all 160-plus SCFD volunteer firefighters are properly outfitted with personal protective equipment (PPE). These articles include structural turnouts, wildland Nomex, hydration packs, and other miscellaneous gear needed by volunteer firefighters. Allen is responsible for purchasing all SCFD's PPE, supplies, and the tracking and inventory of all items that are issued to the volunteer firefighters. He delivers necessary supplies to volunteer stations and plays a key role in supporting fires within the SCFD response area. Allen also supports all functions of the CAL FIRE side of the Service Center in collaboration with the State Forestry Logistics Officer.



Battalion 1

Battalion 1 is under the direct supervision of Battalion Chief Dusty Gyves, which consists of five Shasta County Volunteer Fire Companies and two CAL FIRE stations:

- Shasta County Volunteer Fire Company 10 – Cassel
- Shasta County Volunteer Fire Company 11 – Hat Creek
- Shasta County Volunteer Fire Company 12 – Old Station
- Shasta County Volunteer Fire Company 13 – Soldier Mountain
- Shasta County Volunteer Fire Company 70 – Big Bend
- CAL FIRE Burney Station 14
- CAL FIRE Big Bend Station 19

The Battalion serves a population of approximately 4,800 residents and covers an area of 336,412 acres. Each SCFD Battalion 1 volunteer fire company has a Type II engine, Type III engine, water tender, and rescue. The Shasta County Fire Department has the jurisdictional responsibility for fire protection in the communities of Big Bend, Cassel, Hat Creek, Old Station, Pondosa, Dana, and Soldier Mountain, and Lake Britton and Burney Falls State Park.

Recruitment and retention of Volunteers remains difficult in Battalion 1 and the number of volunteers at each of the Volunteer Companies continue to decline.

Cal Fire Station 14 has remained fully staffed throughout the entire 2019 year due to additional State funding. This has provided additional service to the citizens of Shasta County in the Burney, Big Bend, Cassel, Hat Creek, Montgomery Creek, Old Station, and Soldier Mountain Areas. Station 14 staff worked on the Burney Community Fuel Break Phase II & III as well as on the Johnson Park Community Fuel Break. The Station responded to 514 calls for service in 2019.

The CAL FIRE engine is staffed for 24 hours a day with a minimum of three personnel (one company officer and two firefighters).

Shasta County Volunteer Fire Company 10 – Cassel

Company 10 is served by five volunteer firefighters led by Volunteer Chief Don Chaix. Company 10 is the primary fire company for Cassel, Lake Britton, and Burney Falls State Park. The Company serves a population of 207 permanent and seasonal residents. The area is a popular outdoor recreation area for hunting, fishing, camping, and boating. The Company's primary response area includes three Pacific Gas & Electric (PG&E) power houses along Hat Creek and the Pit River; and the Lake Britton (Pit 3) dam. There are two state highways (Highway 299 East and Highway 89), the Pacific Crest Trail, Burney Falls State Park, several public and private campgrounds, two large construction companies, two large PG&E natural gas transmission lines, and multiple main electrical transmission lines. The communities served by Company 10 have two fire safe councils: Burney Fire Safe Council (Lake Britton area) and the Hat Creek Valley Fire Safe Council (Cassel proper). The fire safe councils have identified four separate evacuation collection points that lie within Company 10's primary response area. The pre-identified collection points are the Cassel Volunteer Fire Station, Mountain Christian Academy, Hat Creek Construction, and Burney Falls State Park.

In 2019, the volunteer firefighters from Company 10 dedicated many hours to training and emergency response. The Company is supported locally by the Cassel Volunteer Fire Company, Inc. In 2019, Company 10 responded to 165 calls for service.

Shasta County Volunteer Fire Company 11 – Hat Creek

Company 11 is served by ten volunteer firefighters led by Volunteer Chief Richie Hathaway III. Company 11 serves a community of 500 permanent and seasonal residents. The area is a popular outdoor recreation area for hunting, fishing, camping, and hang gliding. State Highway 89 and Hat Creek run north and south through its entire response area. Company 11 also responds to the communities of Cassel, to the north, and Old Station, to the south. The Company's jurisdiction falls entirely within the Hat Creek District of the Lassen National Forest. Within Company 11's response area is a popular north state hang gliding launch area on the Hat Creek rim, several public and private campgrounds, and the Hat Creek Radio Observatory; a space research facility operated as a partnership between the University of California, Berkeley, and the Search for Extraterrestrial Intelligence Institute (SETI). The Hat Creek Valley Fire Safe Council serves the entire populated area within Company 11's response area and has identified Station 11 as one of its evacuation collection points.

In 2019, the volunteer firefighters from Company 11 dedicated many hours to training, emergency response, and fundraising. The annual BBQ at the Hereford Ranch is one of the largest gatherings in Eastern Shasta County of its kind and draws people from all over. The company is supported locally by the Hat Creek Volunteer Fire Department, Inc. Company 11 volunteers continue their local firefighter training program for area teens. The program provides teens with future job training and promotes interest in becoming a volunteer firefighter. In 2019, Company 11 responded to 126 calls for service.

Shasta County Volunteer Fire Company 12 – Old Station

Company 12 is served by two volunteer firefighters led by Volunteer Chief John Parrish. John Parrish has been with the Old Station Volunteer Company for over 40 years. The Company serves a community of 51 full-time residents, with another approximately 2,000 summer residents. The area is a popular outdoor recreation area for hunting, fishing, camping, and sledding. State Highways 89 and 44 run through the response area. Company 12's response area falls entirely within the Hat Creek District of the Lassen National Forest and borders the Lassen Volcanic National Park. Within the Company's response area are two fishing resorts, three public campgrounds, a gas station/market, and a restaurant. The Hat Creek Valley Fire Safe Council serves the entire populated area within the response area and identified Station 12 as one of its evacuation collection points.

In 2019, the volunteer firefighters from Company 12 dedicated many hours to training, emergency response, and fundraising. Every spring they host the annual Fishermen's Breakfast on the opening Saturday of the California Trout Season Opener. This event draws large amounts of people from all over Northern California. The Company is supported locally by the Old Station Volunteer Fire Department, Inc. In 2019, Company 12 responded to 77 calls for service.

Shasta County Volunteer Fire Company 13 – Soldier Mountain

Company 13 is served by eight volunteer firefighters led by Volunteer Chief Greg Mayer. Company 13 serves the communities of Pondosa, Dana, and Soldier Mountain, with a seasonal and permanent resident population of approximately 120 people. The Company's primary response area is a combination of remote timberland, wetlands, ranch, and agricultural land. State Highway 89 runs through the west portion of the response area. There is a large wild rice processing facility, two large PG&E natural gas pipelines, several large power transmission lines, and fishing resorts in the response area.

In 2019, the volunteer firefighters from Company 13 dedicated many hours to training, emergency response, and fundraising. They host a St. Patrick's Day Dinner and a summer BBQ that many people attend. The Company is supported locally by the Soldier Mountain Volunteer Fire Company, Inc. In 2019, Company 13 responded to 82 calls for service.

Shasta County Volunteer Fire Company 70 – Big Bend

Company 70 is served by eight volunteer firefighters led by Acting Volunteer Chief David Green. Company 70 serves a community of 150 permanent and seasonal residents. The area is a popular outdoor recreation area for hunting, fishing, and camping. The community of Big Bend is a remote area of Shasta County and is 18 miles from the next closest fire company, located in Montgomery Creek. The Pit River runs through the entire response area and there are several small reservoirs along the Pit and McCloud River. The response area also includes three PG&E power houses, two PG&E dams, several PG&E main electrical power lines, Iron Canyon Reservoir, several private campgrounds, a market/gas station, and a large school.

In 2019, the volunteer firefighters from Company 70 dedicated many hours to training, emergency response, and fundraising. The Company is supported locally by the Big Bend Volunteer Fire Company Auxiliary. In 2019, Company 70 responded to 23 calls for service.

Battalion 2

The Battalion is under the direct supervision of Battalion Chief Tim Whitehurst. Battalion 2 consists of two Shasta County Fire Department volunteer fire companies. During peak staffing period, each summer, there are also three CAL FIRE Stations staffed with one Type III fire engine each:

Shasta County Volunteer Fire Company 30 – Oak Run
Shasta County Volunteer Fire Company 71 – Montgomery Creek
CAL FIRE Buckhorn Station 34
CAL FIRE Diddy Wells Station 74
CAL FIRE Hillcrest Station 75

Each volunteer fire company in Battalion 2 houses a Type II structure fire engine, a Type III wildland fire engine, rescue unit, and water tender. These companies are actively involved in recruitment, training, emergency response, facility and equipment maintenance, and various fundraising activities. The fire stations in Battalion 2 provide services to the following communities: Jones Valley, Bella Vista, Palo Cedro, Ingot, Round Mountain, Montgomery Creek, Moose Camp, Big Bend, Hillcrest, Oak Run, and Whitmore. Each of these communities poses a variety of challenges to fire personnel including industrial and commercial structures, large power distribution facilities, and a variety of dynamic fuel and topography types.

In 2019, Battalion 2 conducted two Vegetation Management projects to increase safety of residents. One project included a 742-acre prescribed burn in the community of Oak Run. This project aims to reduce the amount of flammable vegetation and provide for additional grazing land for domestic animals and wildlife. The second project is a multi-phase project to reduce the amount of flammable vegetation along roads in the community of Oak Run. The reduction of vegetation allows for safer ingress of emergency resources and evacuation of residents during a wildfire incident. It also enhances general safety by providing increased visibility along the road and allows for more sunlight to heat and dry road surfaces during inclement weather conditions.

Shasta County Volunteer Fire Company 30 – Oak Run

SCFD Company 30 is led by Volunteer Chief Linda Barneby. Company 30 was dispatched to 92 calls in 2019. Company members have spent 592 hours training on medical emergencies, structure and vehicle fires, vegetation fires, hazardous materials, power line incidents, traffic collisions, structure defense, fire prevention, and equipment operations (such as pumping and vehicle extrication). Company 30 protects the communities between Highway 299 East to Highway 44 East, including Oak Run, Mill Creek Estates, and Whitmore. Area population is approximately 800 persons within 100 square miles. Oak Run Volunteer Fire Company has 5 active members. Recruitment of additional members continues to be an ongoing challenge for the Company.

Shasta County Volunteer Fire Company 71 – Montgomery Creek

SCFD Montgomery Creek has two fire stations - Station 1 is located on Hwy 299 in Round Mountain and houses a rescue and a Type II structure engine. Station 2 is located on Hillcrest Drive in Montgomery Creek and houses a Type III wildland fire engine and a water tender. Company 71 is led by Volunteer Chief Theresa Carroll and has a roster of eight volunteers. Company 71 protects the communities of Round Mountain, Montgomery Creek, Hillcrest, Moose Camp, Big Bend, Oak Run, and Ingot, with a yearly population of approximately 1,420 across approximately 300 square miles. In 2019, Company 71 was dispatched to 343 emergency incidents. Approximately 3,580 hours were spent training on structure fires, vegetation fires, medical emergencies, vehicle fires, hazardous materials, power line incidents, vehicle accidents, structure protection, fire prevention, and equipment operations (such as pumping and vehicle extrication).

Company 71 is currently working to install backup generators in at both station locations to increase safety, reliability and capability of facilities during power outages. Power is critical to communications and response for equipment such as radios and operating garage doors for responding equipment.

Battalion 2 is consistently seeking additional methods for, and working towards, improved safety for residents in the areas that they serve.



Battalion 3

The Battalion is under the direct supervision of Battalion Chief Brian Noel. Battalion 3 consists of two volunteer fire companies and two CAL FIRE stations:

Shasta County Volunteer Fire Company 20 – Shingletown
Shasta County Volunteer Fire Company 31 – Whitmore
CAL FIRE Shingletown Station 22
CAL FIRE Whitmore Station 35

Located in southeastern Shasta County, Battalion 3 encompasses the communities and surrounding areas of Millville, Shingletown, Whitmore, Viola, and Manton. Millville Fire Protection District (MFPD) also provides protection in and around the community of Millville. Shasta County Fire Department is a cooperator with area fire agencies, having automatic aid fire protection agreements with both Millville FPD and Tehama County Fire (Manton Volunteer Fire Company) to provide protection to the citizens of Shasta County based on the closest resource concept.

Shasta County Volunteer Fire Company 20—Shingletown

The Volunteer Company is led by Volunteer Chief Tom Dodson and utilizes three stations. The locations of these stations are Shasta Forest Village, the Starlite Pines Subdivision, and the intersection of Alward Way and Highway 44. Company 20 was dispatched to a total of 633 incidents in 2019. There are 8 volunteer firefighters who are fully trained responders, along with two new recruits that are in training. Resources utilized to respond to these incidents include two structure fire engines, one wildland fire engine, two 3,000-gallon water tenders, and three rescues. One of the rescues is fully equipped with extrication rescue tools.

Critical infrastructure within and around the community includes PG&E natural gas lines, PG&E and WAPA high-voltage transmission lines, Volta Powerhouse, a medical clinic, Black Butte Elementary and Middle School, church and private camp/ recreational facilities, public camping and recreational sites, and commercial timberland. Commercial businesses located in Shingletown include grocery stores, Dollar General, restaurants, a small business park, and several other small businesses, totaling approximately 145,000 sq. ft.

Roughly 1900 residential structures are in and around Shingletown, including approximately 250 summer homes/cabins. The resident population is nearly 5000.



Shasta County Volunteer Fire Company 31—Whitmore

Company 31 utilizes one station in Whitmore and is led by Volunteer Chief Bill Ellis. The Volunteer Company was dispatched to a total of 64 incidents in 2019. There are eight trained responding volunteer firefighters. Resources utilized to respond to these incidents include one structure fire engine, one wildland fire engine, two 2,000-gallon water tenders, and one rescue.

Critical Infrastructure within and around the community includes PG&E natural gas lines, PG&E and WAPA high-voltage transmission lines, Kilarc Powerhouse, Whitmore Elementary School, Whitmore Community Center, a private church camp/school, public recreational sites, and commercial timberland. Additional commercial businesses located in Whitmore include a general store, post office, and a private winery and antique store, totaling approximately 20,000 sq. ft.

Almost 350 residential structures are in Whitmore including 20 summer homes/cabins. The resident population is approximately 700.

CAL FIRE Station 22—Shingletown

CAL FIRE Station 22 provides additional protection to Shingletown and surrounding areas. The engine is staffed for 24 hours a day with a minimum of two personnel: one company officer and one firefighter. CAL FIRE provides the company officer and Shasta County Fire funds the firefighter position during the winter months. A CAL FIRE Engine is utilized and housed at a CAL FIRE facility.

This engine responded to a total of 367 incidents during the winter Amador period in 2019. For the entire year, Station 22 responded to 561 incidents, with the majority being SCFD responsibility incidents. This is a prime example of the cooperative working relationship between SCFD and CAL FIRE in Shingletown.

CAL FIRE Station 35 – Whitmore

CAL FIRE Station 35 is a newly appointed State Funded station that remained open this past winter providing additional services to the citizens of Shasta County in the Whitmore, Oak Run, and Shingletown Communities. Station staff worked on the Highway 44 fuel break project throughout the winter. The Station responded to 73 calls for service in 2019.

The CAL FIRE engine is staffed for 24 hours a day with a minimum of three personnel: one company officer and two firefighter II's.

Battalion 4

Battalion 4 is under the direct supervision of Battalion Chief Sean O'Hara. Battalion 4 consists of two volunteer Fire Companies, one Shasta County Fire Department (SCFD) station, and one CAL FIRE/SCFD station.

Shasta County Volunteer/Career Fire Company 32 – Palo Cedro
Shasta County Volunteer Fire Company 55 – West Valley
CAL FIRE Station 43/ SCFD Engine 47 – Redding

The Shasta County Fire Department's Battalion 4 is located on the valley floor along Interstate 5 and the Sacramento River corridor running North and South between the borders of Tehama County and the northern Redding City limits. Redding Battalion 4 has two incorporated cities which include the City of Anderson and the City of Redding. There are also two unincorporated communities within the Battalion which are served by independent Fire Districts that include Happy Valley and Cottonwood, which have agreements with Shasta County for response.

Redding Battalion 4 is comprised of an integrated, multi-agency workforce of state and local firefighting resources that provide fire protection through various types of Automatic Aid, Mutual Aid, and other cooperative fire agreements. It's through these various types of agreements that the SCFD is committed to meeting its objective of fostering relationships with its local and federal agency cooperators and stakeholders to share resources as a cost-effective approach to providing services as outlined in the SCFD's 2020 Master Plan.

Battalion 4 is largely comprised of commercial, industrial, residential, agricultural, railroad, and highway uses, including Interstate 5 and State Highways 44 and 273. Located in the center of the Battalion running north and south is the Union Pacific Railroad (UPRR), hauling a diversified business mix of agricultural products, automobiles, chemicals, coal, industrial products and intermodal freight moving among the 23 western states. Industrial properties within SCFD's south county protection area include two active lumber mills, Sierra Pacific Industries and Siskiyou Forest Products, and three large bulk propane facilities that include Amerigas, Campora, and Blue Star Gas. The west side of the Battalion includes Pacific Gas and Electric Company's gas pipeline which deliver natural gas to the City of Redding's Electric Utility Cogeneration Plant through large underground pipes located underneath the UPRR tracks and along HWY 273 and Clear Creek Road. There are many mixed commercial developments along Hwy 273 and Latona Road to the south including UPS's Redding Freight Distribution Center, Meeks Hardware and building supplies, and Win River Casino with its 80,000 square foot gaming center, 40,000+ square foot two story administrative and tribal center, and a three story, 84 room hotel and spa. There are many retail centers located throughout the Battalion including restaurants, lodging, food supplies, recreation activities and equipment, traveler services (including gasoline fueling facilities), and entertainment related facilities.

With the increased traffic on I-5 between the cities of Anderson and Redding, Cal Trans has continued its construction of I-5 corridor. The initial phase of this large-scale construction project started in November of 2018 and will continue till 2021. This project will make the I-5 corridor three lanes wide both north and south bound, all of which reside within Battalion 4. Sierra Pacific Industry (SPI) in Anderson operated its new stoker boiler capable of generating 31 megawatts of gross electrical output, from the combustion of clean cellulosic biomass, and related auxiliary equipment. SPI plant was one of the main sources to accept fuels that were burnt in Shasta county after the devastating year of fires in 2018. A complex network of large high voltage transmission lines traverses the Battalion, delivering the main supply of power to cities such as Eureka and Fortuna. Running throughout the central portion of Battalion 4 is the Sacramento River which brings with it an increased demand for seasonal activities such as rafters, boating, and fishing enthusiasts. Located throughout the Battalion are numerous primary and secondary public schools to include Prairie and Pacheco elementary schools and West Valley and Foothill High Schools to name a few.

SCFD is faced with providing a complex and diverse level of fire and other emergency response to its citizens. The SCFD continues to work towards meeting its Master Plan goal of increasing operational efficiencies by developing procedures that both immediately reduce response times and increase response safety. The most sizeable portion of Battalion 4 is located along the Hwy 273 corridor and the south county area. The budget approved in 2019 to build South County Fire Station 47 will bring increased fire protection, increased cost effectiveness, and decreased response times to the highest dollar value assets inside the county.

Fire Protection within the Battalion is largely made up of career paid staffing, specifically within the incorporated cities and Fire Protection Districts, while CAL FIRE/SCFD career and volunteer firefighters make up most the firefighting work force in the unincorporated areas of the Battalion. The make-up of career and volunteer staffing within Battalion 4 include two career staffed SCFD Type II fire engines, two SCFD volunteer fire companies along with two CAL FIRE Type III fire engines and one dozer.

Shasta County Fire Department Station 32 – Palo Cedro (career and volunteer staffed)

Schedule A, Engine 32 is staffed with a minimum of 2 career personnel and is co-located with Volunteer Fire Company 32. Volunteer company 32 is led by Volunteer Chief Kelsey Grace. The career staff operates and maintains the County’s Self-Contained Breathing Apparatus (SCBA) Program. The personnel are trained in every aspect of repair, service, maintenance, and Cal-OSHA requirements under Title 8 and the Nation Fire Protection Association (NFPA). The SCBA program is highly involved and is the primary function of the Schedule A staff at Station 32. In 2018-2019 the career personnel implemented a large-scale transition of current SCBA platforms to the new SCOTT model. This was done to streamline the SCFD to the State SCBA program, thus making the standards the same. This enables CAL FIRE staff to maintain the SCFD SCBA program to the current NFPA standards and brings all SCBAs to uniform standards county wide. The project on the SCFD side is complete with the State resources expected to be completed before spring. The CAL FIRE staff have committed thousands of man hours to concluding this project. The community of Palo Cedro has a population of approximately 1,269 people based on the 2010 census. Palo Cedro is largely comprised of residential, agricultural, commercial, and highway uses. Within the core of the community located near Deschutes Road and State HWY 44 is a mix of commercial properties including a supermarket, strip mall retail centers, and four educational institutions including the Foothill High School, Bishop Quinn Catholic Center, North Cow Creek School, and Junction Elementary School. The community has seen additional growth in 2019 of both residential and large commercial buildings. The Company operates one structure fire engine, one wildland fire engine, a fire rescue and a water tender. In 2019, Fire Company 32 was dispatched to 531 incidents.



CAL FIRE Redding Station 43

CAL FIRE/SCFD Redding Fire Station 43 is located on Airport Road in Redding and is served by one SCFD Type II structure fire engine under contract with CAL FIRE staff and a minimum of 2 personnel, and two Type III CAL FIRE wildland fire engines staffed with a minimum of 3 personnel during the peak fire season months of June 1st through October 31st. While CAL FIRE's primary mission emphasizes the management and protection of California's natural resources from wildland fires, these two engines can be dispatched to the scene of an auto accident, structure fire, or to any emergency that is within SCFD's jurisdiction. During the non-wildfire season period of November 1st through May 31st, staffing at Station 43 is reduced to one SCFD Type II structure fire engine and one Type III wildland fire engine staffed with a minimum of 2 under contract with the SCFD. SCFD Station 43 has an Automatic Aid Agreement with the Anderson Fire Protection District and provides responses to all structure and wildland fires in the District. Station 43 also responds to auto accidents, river rescues and medical emergencies within certain areas of the District. The city of Anderson fire department reciprocates their responses to certain County incidents as well. In 2019, Station 43 responded to 1990 Incidents.

Shasta County Fire Department Station 55 – West Valley

The West Valley Volunteer Fire Company is led by Volunteer Fire Chief Shawn Plummer. While West Valley is considered a part of the community of Cottonwood for census purposes, it is estimated that approximately 750 residents are served by the West Valley Volunteer Fire Company. The area boasts a mix of mainly residential and agricultural uses with small commercial facilities and the West Valley High School. The Company operates 1 structure fire engine, 1 wildland fire engine, a fire rescue and water tender. In 2019, West Valley Volunteer Fire Company was dispatched to 253 incidents.

Battalion 5

The Battalion is under the direct supervision of Battalion Chief Troy Velin. Battalion 5 consists of three volunteer fire companies, and two CAL FIRE stations (one Amador):

Shasta County Volunteer Fire Company 50 – Igo/Ono
Shasta County Volunteer Fire Company 52 – Centerville
Shasta County Volunteer Fire Company 59 – French Gulch
CAL FIRE Ono Station 57
CAL FIRE Shasta Station 58

Battalion 5 is comprised of the communities of Centerville, Igo/Ono, Keswick, French Gulch, and Platina. The Battalion lies at the foot of the California Coast Range with elevations ranging from 500 to 6919 feet. The Whiskeytown National Recreation Area and the Shasta Fire Protection District are also located within the Battalion. The Battalion is comprised of oak woodland, chaparral, and timberland with residential subdivisions located within the wildland. All the communities within the Battalion have the potential for a catastrophic Wildland Urban Interface (WUI) fire due to population density and fuel loading. These communities are served by four volunteer fire companies, and two CAL FIRE stations.

Critical infrastructure within the Battalion include Shasta Dam and Powerhouse, Keswick Dam and Powerhouse, Carr Creek Powerhouse, Spring Creek Powerhouse, and the associated power lines that carry the electricity from these facilities to the rest of the state. State Highways 299 and 36 traverse the Battalion carrying thousands of travelers and hazardous materials to and from the north coast of California each year.

The numerous hiking and biking trails in Centerville, Keswick, and Whiskeytown have increased over the years and the number of remote area rescues on these trails has increased as well. This presents a unique rescue task that frequently involves the Shasta County Fire Department, the Shasta County Sheriff's Department, the California Highway Patrol helicopter, and the National Park Service personnel at Whiskeytown. The Sacramento River and Clear Creek present water rescue hazards due to the heavy summertime recreation use enjoyed by the area residents.

Public school campuses located in Platina, Igo, Centerville and French Gulch as well as the Keller Lumber Company in Keswick are examples of the significant fire and rescue risk located within the Battalion.

Shasta County Volunteer Fire Company 50 - Igo/Ono

The Igo/Ono Volunteer Fire Company currently has a roster of 8 volunteer firefighters and is led by Volunteer Chief John Allen. The community contains over 600 residents and it is comprised of mainly rural residences, ranches, and wildland. The City of Redding and the County of Shasta operate a land-fill east of Igo, and the Northern California Veterans Cemetery is located south of town.

The fire company has a fire station in Igo and a satellite station in Ono. The fire company operates two municipal fire engines, one wildland fire engine, one water tender, and one rescue vehicle. In 2019, there were 155 incidents within the communities of Igo and Ono.

Shasta County Volunteer Fire Company 52 - Centerville

The Centerville Volunteer Fire Company currently has a roster of 22 volunteer firefighters and is led by Volunteer Chief John Luntley. The community is comprised of mainly residential subdivisions and rural residences. The community has numerous houses of worship, a feed store, mini-storage, and the Grant elementary/middle school campus that are examples of the target hazards in Station 52's response area.

The fire company operates one municipal fire engine, one wildland fire engine, and one rescue vehicle. In 2019, there were 189 incidents within the community of Centerville.

CAL FIRE Ono Station 57

CAL FIRE Station 57, located in the community of Ono, is a seasonal fire station open only during the summer and fall. One CAL FIRE wildland fire engine operates out of the facility. In 2019, Station 57 responded to 131 incidents.

CAL FIRE Shasta Station 58

CAL FIRE Station 58 provides additional protection to SCFD jurisdiction west of Redding during the winter months. An engine is staffed at Station 58 24 hours a day, with a minimum of 2 personnel. An SCFD breathing support trailer unit is housed out of the facility and is staffed as incidents dictate. During fire season, CAL FIRE staffs two wildland fire engines and one bulldozer at the station. In 2019, Station 58 responded to 607 incidents.

Shasta County Volunteer Fire Company 59 - French Gulch

The French Gulch Volunteer Fire Company currently has a roster of 4 volunteer firefighters and is led by Volunteer Chief Cliff Shattuck. The community contains over 300 residents and it is comprised of mainly of rural residences and historical commercial businesses. The French Gulch Hotel built in 1885 is a historic business that was built in the gold mining era. The Carr Creek Powerhouse is in Station 59's response area.

The fire company operates one municipal fire engine, one wildland fire engine, and one rescue vehicle. In 2019, there were 102 incidents within the community of French Gulch.

Battalion 7

Battalion 7 is under the direct supervision of Battalion Chief Don Watt, which consist of three SCFD Volunteer fire companies and one CAL FIRE Station:

Shasta County Volunteer Fire Company 33 – Bella Vista
Shasta County Volunteer Fire Company 72 – Jones Valley
Shasta County Volunteer Fire Company 54 – Lakehead
CAL FIRE Shasta College Station 73

Each Volunteer fire company in Battalion 7 has a Type II structure fire engine, Type III wildland fire engine, rescue unit, and water tender. The fire companies are actively involved in training, recruitment, emergency response, facility and equipment maintenance and fundraising activities. The Battalion starts in the valley, at the north end of Redding, extending north to the Siskiyou County line. The entire shoreline of Shasta Lake lies within the Battalion. The area north of Shasta Lake lies within the Federal Direct Protection Area and is administered by the United States Forest Service (USFS), Shasta Trinity National Forest for wildland fires. The USFS has statutory responsibility for wildland fires but Shasta County Fire Department is responsible for all medical aids, traffic collisions, hazardous conditions, and fires involving structures, vehicles, boats, and other improvements. The battalion also includes one incorporated city, City of Shasta Lake, and one fire district, Mountain Gate Fire Protection District. Shasta County Fire Department has mutual aid agreements with the City of Shasta Lake and Mountain Gate Fire Protection District. This includes responses to structure fire, both residential and commercial and vehicle accidents.



Interstate 5 runs through the middle of the battalion with high vehicle traffic, especially commercial vehicles. As the interstate leaves the valley and climbs through the Sacramento River canyon, the roadway is affected by the surrounding terrain. This change in the roadway along with the potential for rapidly changing weather in the winter can make travel difficult to the northern portion of the battalion. Shasta County Volunteer Company 54 located in

Lakehead is the only County Fire resource north of Shasta Lake and relies on a response from the valley for all calls, especially accidents and fires. This becomes more problematic when Interstate 5 is closed due to weather and road conditions.

The Battalion also encompasses Shasta Lake and all the improvements on the lake, including the marinas and private residents around the lake and surrounding communities. Some of the residents around the lake require a response by boat due to the inability to access them from poorly maintained roads. The SCFD boats are not staffed all the time and require a response from one of the stations to respond from Bridge Bay Marina.

Shasta County Volunteer Fire Company 33 – Bella Vista

Located in the middle of town on Highway 299 east in Bella Vista is Company 33. The company is staffed by 20 volunteers and is led by Volunteer Chief Ron Smith and Assistant Volunteer Chief Bob Baker. In 2019 Company 33 had the highest call volume in its history, being dispatched to 651 calls. The Company's immediate response area covers about 40 square miles with a population of approximately 2,800. In addition to running calls, Company 33 also attended 5,000 hours of training to acquire skills and knowledge to fight wildland and structure fires; and assist in medical emergencies, traffic accidents, public assist, and hazardous materials response. This year Company 33 held the first annual Old Bella Vista Days during a weekend in October as a fundraiser for the volunteer company.

Company 33's protection area includes gas stations, restaurants, churches, post office, grocery store, water district office, elementary school and several other commercial buildings. The response area includes Highway 299 east which is heavily traveled. There is also access to Lake Shasta through Dry Creek Road to access two of the marinas on the lake, increasing vehicle traffic in the summer months. Company 33 also responds closely with Shasta College, Jones Valley, Palo Cedro and Oak Run fire stations.

Shasta County Fire Department Station 54 – Lakehead

Company 54 is in the center of the Lakehead community, and provides service to the County area above Shasta Lake. Company 54 is led by Rick Sealana and currently has one other volunteer to provide service to approximately 800 homes with nearly 900 permanent residents. Company 54 had 283 calls for service in 2019, which is high compared to areas with the same population. The increased call volume can be attributed to Interstate 5 which runs through the center of the response area. In adverse weather the call volume increases dramatically on Interstate 5, mostly due to the increase in motor vehicle collisions. In the summer months, the population of Lakehead increases dramatically with the rise in visitors to the lake and the surrounding forest. The lake and the wilderness area present the issue of long response time as access by vehicle can be very limited or the roads are not in condition for easy travel. The recruitment process is active and ongoing in the area to try and increase the volunteer numbers. With only two volunteers in the company, calls for service include sending equipment from the Shasta College Station and mutual aid from Mountain Gate Fire Protection District. The Lakehead Volunteer Fire Company Incorporation is currently working on raising funds to complete a remodel of the fire station to add a sleeping quarters. The remodel is in anticipation of the resident firefighter program being developed in the County Fire Department. This will allow for a better response in the Lakehead area. Rick Sealana was named Firefighter of the year for Shasta County Fire Department for 2019.

Shasta County Fire Department Station 72 – Jones Valley

Company 72 is located on Ravine Road in the community of Jones Valley. The area served by Company 72 has approximately 400 homes with an estimated 800 residents. The summer months increase the number of people in the area and the vehicle traffic through the area with visitors to Shasta Lake and the two marinas, Silverthorn and Jones Valley. The Company has three volunteers and is actively recruiting for new members. Currently Company 72 does not have a volunteer chief and is being assisted by the volunteer chief from Company 33. In 2019 Company 72 was dispatched to 224 incidents and assisted with personnel on strike teams and staffing engines for the large fires in the County. Company 72 is currently conducting joint training with Company 33 to ensure there are enough volunteers to complete productive training. The goal is to actively recruit, to increase the number of volunteers to a level the Company can be self-sustaining.

CAL FIRE Station 73 – Shasta College

Shasta College Station 73 provides protection to the northern portion of Shasta County including Bella Vista, Jones Valley, Lakehead and the Shasta College Campus. The station is located on the Shasta College campus and is staffed year-round under a cooperative agreement between CAL FIRE and Shasta College. Station 73 responded to 1,166 incidents in 2019, with 20 calls on the Shasta College campus and 251 calls in Lakehead. The calls in Lakehead are in the northern most portion of their response area, generally taking 30 minutes to arrive at scene. Station 73's response area is approximately 300 square miles, with Interstate 5 and Highway 299 within its area. The Station provides protection to the college campus along with a large portion of the county, which include gas stations, elementary schools, grocery stores, PG&E substation, and Shasta Lake. Station 73 is also responsible for staffing and training for the Shasta County Fire Department Boat Operations Program. The personnel at Station 73 assist with the mandatory Basic Wildland Training certification and work with the Shasta College Fire Academy program. Station 73 revived the Worksite Learning Program through the college to allow students who have graduated the fire academy to ride along and gain experience in the fire service.



Shasta Cascade Hazardous Materials Response Team

The first Letter of Understanding developing the framework to establish the Shasta Cascade Hazardous Materials Response Team (SCHMRT) was completed in November 1999. The Counties of Lassen, Modoc, Shasta Siskiyou, Tehama, Trinity and the incorporated cities within those counties, recognized a need to have capabilities to respond to emergency hazardous materials incidents within their jurisdictions. Shasta County Fire is the lead agency for SCHMRT. SCHMRT is a Type II, 50-person Team that provides hazardous materials response. Type II Hazardous Materials Teams have met the state guidelines to provide the following capabilities: identify and work with known and unknown industrial chemicals; provide air monitoring; work with liquid, vapor and cryogenic materials; ability to monitor Gamma and Beta radiation; plume air modeling; decontamination of individuals with known and unknown chemicals; provide diking, absorption, plugging and patching of liquids, solids and vapors; and neutralization of chemicals. Most members on the team are trained to the Hazardous Materials Specialist level (240 hours of training)

Team members responded to 36 Hazardous Materials Incidents within the six-county area. Responses ranged from containing small spills, aid in identifying unknown substances, or providing technical assistance to the responsible agency or agencies.

Team members meet once a month for training. During 2019, a joint two-day training was held with the National Guard 95th Civil Defense Team in Redding. Funding for the team comes from three sources: grants, incident cost recovery, and member agency contributions. Ninety percent of the funds are allocated to fund the Operation Director position held by Redding Battalion Chief Jason Foley who ensure the readiness of the team. The remaining 10 % is used to maintain and replace equipment.



Shasta Cascade Hazardous Materials Response Team

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Shasta County Fire Department Boat Program

Lake Shasta is a popular spot for boating, water skiing, camping, house boating, and fishing. Lake Shasta has a surface area of 30,000 acres and 365 miles of shoreline, making it the State's largest reservoir and the third largest body of water after Lake Tahoe and the Salton Sea. Shasta County Fire Department has two fire-rescue boats that provide emergency response on Lake Shasta. The fire-rescue boats respond to water rescues, medical aids, boat collisions, boat fires, vegetation fires, search and rescue, and other calls for service. The fire-rescue boats are often used on vegetation fires to transport firefighters to areas around the lake inaccessible by roads. The SCFD Boat Program personnel work closely with the Shasta County Sheriff's Boating Safety personnel throughout the entire year, especially during busy holiday weekends and summer months. In 2019, SCFD Boat Program personnel responded to 20 incidents on Lake Shasta, and personnel completed several hundred hours of training during the Mother's Day and Memorial Day weekend staffing.

Mother's Day and Memorial Day weekends are typically the busiest weekends on Lake Shasta due to an influx of college students from Oregon and California coming to the lake on these weekends. CAL FIRE/SCFD personnel continuously staffed both boats at Bridge Bay Marina again this year for both holiday weekends. Special staffing was provided Friday through Monday on these weekends to reduce the response times due to the increase in emergency calls over the past several years during these weekends. While operating on the lake during Memorial Day weekend, personnel worked in conjunction with the "SAFE Boat" (on site medical services EMT personnel from UC Davis staffed at Slaughter House Island) providing patient care, triage, and transportation to the medics. The potential for critical life-threatening incidents greatly increases with the number of young adults all congregating in a single place. At any given time, approximately 100 houseboats can be seen lined up along the shoreline of Slaughter House Island. The level of service to the public using Shasta Lake is greatly increased with a reduction in response time. Boat personnel also provided engine coverage on SCFD Engine 73 at Bridge Bay Marina for incidents in the North County I-5 corridor.

During the summer months both boats are centrally located at Bridge Bay Marina for a quicker response time due to the central location of Bridge Bay Marina and for the security provided by storage with the Shasta County Sheriff's Boating Safety Boats. During the winter months one of the boats is left moored at Bridge Bay for emergency response while the second boat is pulled out of the water for annual winter maintenance and evaluation.



Redding Air Attack Base [RAAB]

The Redding Air Attack Base (RAAB) was established in the late 1960s and is located at the CAL FIRE Northern Operations Center on Airport Road. The RAAB is an interagency base shared by CAL FIRE and the United States Forest Service (USFS).

RAAB responds to an average of 200 calls per year. CAL FIRE staff at the base consists of one Battalion Chief, two Fire Captains, one Fire Apparatus Engineer, and five seasonal Firefighters. The complement of aircraft assigned includes, Air Attack 240, which is an OV-10 Bronco, and two S-2T air tankers, T-94 and T-95. These air tankers can carry 1,200 gallons of fire retardant. Also assigned to the base is Air Attack 503, a King Air 200. This aircraft is used as a training platform for new Air Tactical Group Supervisor (ATGS) students.

RAAB has a vast response area, which spans from Red Bluff to the Oregon Border, and from Hayfork to Mt. Lassen. CAL FIRE has strategically located its air resources throughout California, with the goal of providing air resources to any fire incident within 20 minutes.

2019 was a slightly above average summer for the Redding Air Attack Base. The aircraft based at RAAB delivered a total of 1,365,161 gallons of retardant in 2019. Air Attack 240 provided 216 flight hours over fires, Tanker 94 delivered 113,324 gallons of retardant to fires with 129 hours of flight time and Tanker 95 delivered 146,233 gallons of retardant with 154 hours of flight time. The highest one-day total on record for retardant delivered occurred in 1999, when the base delivered 290,000 gallons of retardant, while supporting the Jones Fire in the Bella Vista area.

The USFS also provides contracted air tankers. Aircraft contracted include: the BAE-146, RJ-85, MD-87, C-130Q, MAFFS (Modular Airborne Firefighting Systems) C-130's provided by the military, Federal Government, and private vendors, and the first 737 conversion air tanker T-137. These air tankers can carry 2,000-4,000 gallons of fire retardant. Redding Air Attack Base was approved in 2017 to reload C-130 air tankers, and it proved to be a success again in 2019. In previous years, the C-130's would have to fly longer distances to reload bases causing them to burn more fuel and longer turnaround times. These aircraft are not permanently assigned to any specific base. Due to the limited number of air tankers, the USFS strategically locates these air tankers based on fire potential. Typically, during the fire season, a federal air tanker will be in and out of Redding several times throughout the year.



Shasta County Fire Department EMS

Shasta County Fire Department has the responsibility for all medical aids outside of incorporated cities and districts in Shasta County. It is important to provide a high level of care to those who call 9-1-1 and request medical assistance. In 2019, the department responded to approximately 3,600 emergency medical calls, and approximately 870 traffic collisions. Approximately one-third of these calls are in the outlying areas of the county, for example there were 485 medical aids and 43 vehicle collisions in Shingletown. These are the areas where ambulance response time is the longest, about 30 minutes. This requires the responders to care for the patients for extended periods, requiring them to be proficient in their skills and knowledge. The department dedicates two and a half months every year to EMS training, delivering over 1,000 hours of instruction.

Last year the County Fire Department transitioned from Emergency Medical Response (EMR) classification to Public Safety First Aid (PSFA) as the minimum level of training for service. The reason for this change is EMR was a national level class and PSFA is a California Title 22 regulated course. Title 22 had recent changes which increased the ability of PSFA and included specific training requirements for every first responder. One of the training topics required was Tactical Casualty Care. This class has been instituted to create common terminology and tactics to handle active shooter or mass violence incidents. To better prepare the responders for these events, grants were secured to purchase ballistic vests outfitted with medical equipment to be able to assemble Rescue Task Forces in an event of a mass violence incident. The funding provided for most of the paid and volunteer stations to be outfitted, with the rest of them outfitted in the spring of 2020.



Every year sees new challenges in the EMS field, ranging from increased skills to new products to improve patient care. Shasta County falls within the Sierra-Sacramento Valley Local Emergency Medical Service Agency (S-SV). This agency dictates the policy for how medical emergencies are handled and the equipment used. For S-SV to adjust policies as needed, continuous reporting from the field is required. The Department's EMS Coordinator is the point of contact for S-SV, as well as ensuring all EMS training, equipment purchasing, and record compliance is completed.





**This report has been prepared by the
CAL FIRE/ Shasta County Fire Department
www.shastacountyfire.org**

RESOLUTION NO. 2020 _____

RESOLUTION OF THE BOARD OF SUPERVISORS OF SHASTA COUNTY ACKNOWLEDGING RECEIPT OF THE FIRE WARDEN’S ANNUAL REPORT TO THE BOARD OF SUPERVISORS ON COMPLIANCE WITH THE FIRE AND LIFE SAFETY INSPECTION PROGRAM, PURSUANT TO HEALTH & SAFETY CODE SECTION 13146.4

WHEREAS, the mission of the Shasta County Fire Department is to protect life, property and the environment within the department’s jurisdiction; and

WHEREAS, Shasta County Code section 8.08.040 describes the County Fire Warden’s responsibilities to implement a fire and life safety inspection program; and

WHEREAS, the fire and life safety inspection program shall, at minimum, satisfy the requirements of Health & Safety Code sections 13146.2 and 13146.3; and

WHEREAS, Health & Safety Code section 13146.4, requires the Shasta County Fire Warden to report annually to the Board of Supervisors on the Fire Warden’s compliance with Health & Safety Code sections 13146.2 and 13146.3.

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of the County of Shasta, that the Board of Supervisors acknowledges receipt of the report by the Shasta County Fire Warden pursuant to Health & Safety Code section 13146.4 and Shasta County Code section 8.08.040 on May 12, 2020.

DULY PASSED AND ADOPTED this 12th day of May, 2020, by the Board of Supervisors of the County of Shasta, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

RECUSE:

MARY RICKART, CHAIR
Board of Supervisors
County of Shasta
State of California

ATTEST:
MATTHEW P. PONTES
Clerk of the Board
County of Shasta County

By _____
Deputy