

Emergency Response Report

2016



CAL FIRE Butte Unit

Proudly serving Butte County, the Cities of Biggs, Gridley and the Town of Paradise

Butte County Cooperative Fire Protection 2016 Response Report

Butte County Cooperative Fire Protection

The Butte County Fire Department benefits from a strong, integrated, cooperative, regional fire protection system. The system is strong and cost effective due to the organizational elements provided by the State (CAL FIRE Butte Unit), Butte County, and partner Cities (Cities of Biggs, Gridley and Town of Paradise). The five agencies are efficiently administered and operated together as one department.

Many large, devastating wildland fire after-action reports recommend an integrated fire protection model such as the model we enjoy here in Butte County. We are proud of the support provided by all of our elected and appointed officials that support our integrated fire protection model. The citizens of Butte County are the benefactors of this type of support.

CAL FIRE has been a major component of the Butte County Fire Department since the cooperative fire protection agreement with CAL FIRE began in 1931. We operate 23 career-staffed fire stations and 16 volunteer fire stations that serve the 1,609 square miles of unincorporated communities in Butte County and the Cities of Biggs, Gridley and the Town of Paradise. From these stations we provide full-service fire protection, pre-hospital basic life support emergency medical services, technical rescue services and response to hazardous materials incidents. Butte County Fire Department maintains automatic-aid emergency response agreements with all fire protection agencies within and adjacent to the county. CAL FIRE Butte Unit also protects 97 square miles of southeastern Tehama County.

In 2016, the Butte County Fire Department responded to 19,975 calls, an increase of 4.2 percent over the previous year. The fire department continually tracks these statistics and looks for ways to improve skills, training, services and response capabilities.



Mission

It is the mission of the Butte County Cooperative Fire Agencies to provide professional services to protect lives, property, and environment to those residing, working or traveling within the unincorporated areas of Butte County, the Cities of Biggs and Gridley and the Town of Paradise.

Values

Effective Communications
Cooperation to All
Professional Coordination
Commitment to Serve

Vision

We are CAL FIRE serving the Butte County Fire Department, Biggs & Gridley Fire Departments and the Town of Paradise Fire Department providing public safety and all risk emergency services to the citizens and visitors of Butte County as part of a dynamic and cooperative regional response team. Our career and volunteer members, work side by side as a team, proud to serve the communities in which we live. We treat one another with respect and dignity and are guided by our core values. We are focused on comprehensive training, supported with quality equipment and fire apparatus, and guided by policies and procedures that enable our Department to deliver quality emergency services to the citizens of Butte County.



Butte County Profile

- ◆ Population: 224,000 (2010 Census estimate)
- ◆ Service Area: 1,677 square miles
- ◆ Local Wildland Fire Responsibility: 335,105 ac.
- ◆ State Wildland Fire Responsibility: 593,657 ac.
- ◆ Federal Wildland Fire Responsibility: 163,313 ac.

Department Overview

The Butte County Cooperative Fire Protection has existed within the State of California since 1931. The services provided by Butte County Cooperative Fire Protection include:

- ◆ Critical fire suppression services and emergency medical care
- ◆ Technical teams, including technical and heavy rescue, dive rescue, and hazardous materials (HazMat) response
- ◆ Mutual aid response to neighboring jurisdictions
- ◆ Fire investigation
- ◆ Fire prevention and public education
- ◆ Fire Marshal/Protection Planning
- ◆ Forest Resource Management



Personnel Profile

- ◆ Uniformed Personnel (Summer)-304
- ◆ On-Duty Strength (Summer)-98
- ◆ Department Chiefs-19
- ◆ Civilian Personnel-13
- ◆ County Volunteers-179



Department Equipment & Facilities

Butte County Cooperative Fire Protection operates facilities and equipment from five fire departments: CAL FIRE, Butte County Fire Department, Gridley Fire Department, Biggs Fire Department, and Town of Paradise Fire Department.

- ◆ 1 Emergency Command Center
- ◆ 2 Mobile Equipment Shops
- ◆ 1 Air Attack Base
- ◆ 23 Fire Stations
- ◆ 29 Fire Engines
- ◆ 3 Type I Hand Crews
- ◆ 2 Transport/bulldozers
- ◆ 1 Air Tactical Plane
- ◆ 1 Type III Air Tanker
- ◆ 1 Type II HazMat Unit
- ◆ 1 Type II Technical Rescue Unit
- ◆ 1 Type II Water Rescue Unit
- ◆ 1 Aerial (110') Ladder Truck
- ◆ 17 Volunteer Companies
- ◆ 16 Volunteer Fire Stations
- ◆ 16 Volunteer Fire Engines
- ◆ 14 Type I Water Tenders
- ◆ 12 Squads
- ◆ 1 Breathing Air Support Unit

Butte Fire Center Reopening

After being down-staffed in 2003, the Butte Fire Center in Magalia was reopened and staffed with three type I hand crews. Each crew consists of up to 17 California Conservation Corps (CCC) Corpsmembers led by a CAL FIRE Fire Captain. The two-week CAL FIRE Hand Crew Firefighter training course is taught to Corpsmembers on-site at the Fire Center's classroom facility, as well as nearby outdoor training sites.



The crews provide regional response to vegetation fires as well as other types of emergencies, including remote area rescues and flood incidents. The crews routinely complete daily work assignments with an emphasis on creating shaded fuel breaks and reducing hazardous vegetation near Butte County roadways and communities.

Apparatus Replacement

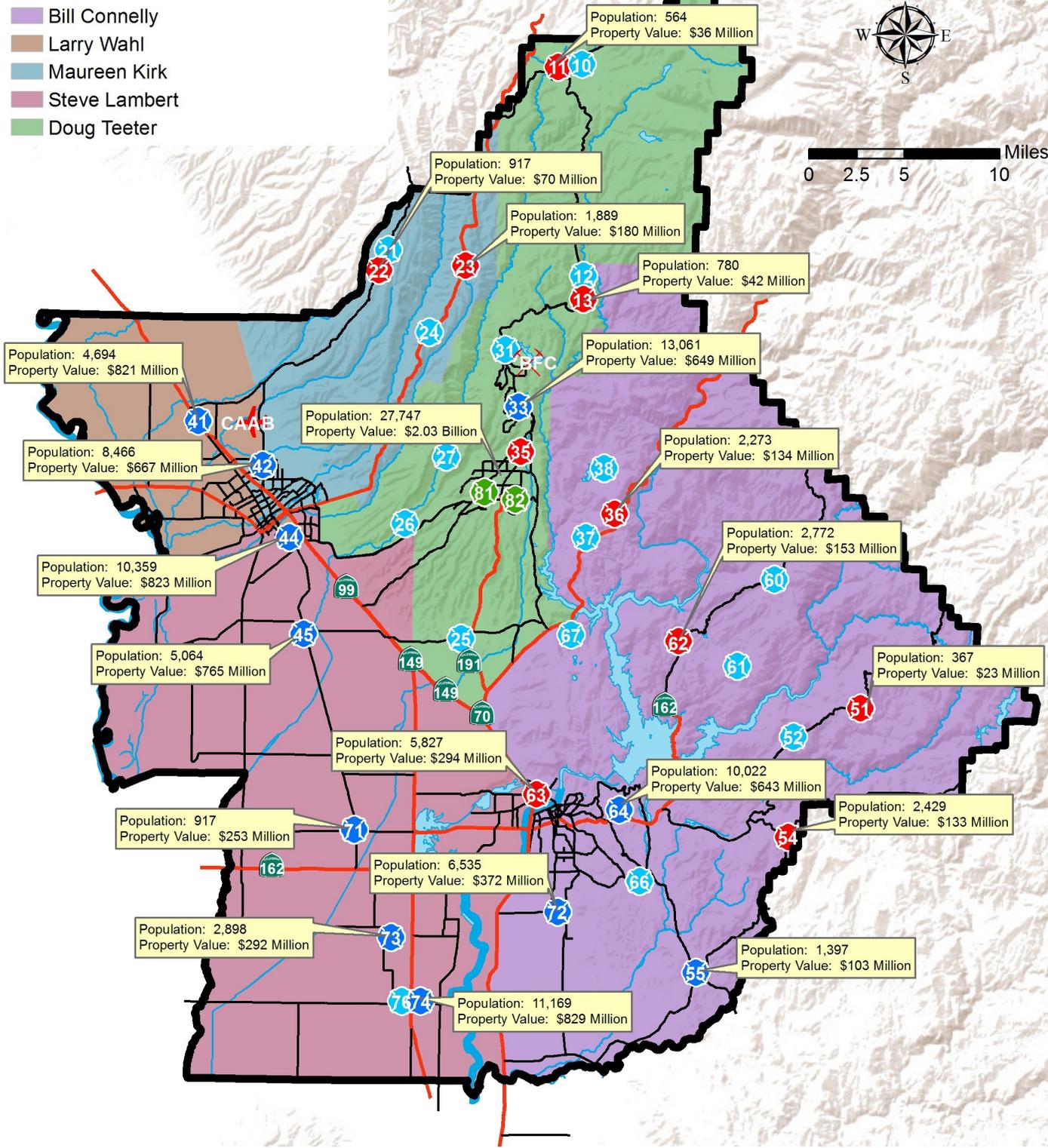
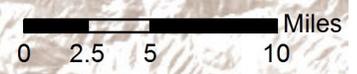
CAL FIRE, Paradise Fire Department, and Butte County Fire Department replaced several pieces of fire apparatus during 2016.

- ◆ CAL FIRE replaced one type III fire engine
- ◆ Butte County Fire Department replaced three type I fire engines and three type I water tenders
- ◆ Paradise Fire Department replaced one type I fire engine



Butte County Supervisor Districts

- Bill Connelly
- Larry Wahl
- Maureen Kirk
- Steve Lambert
- Doug Teeter

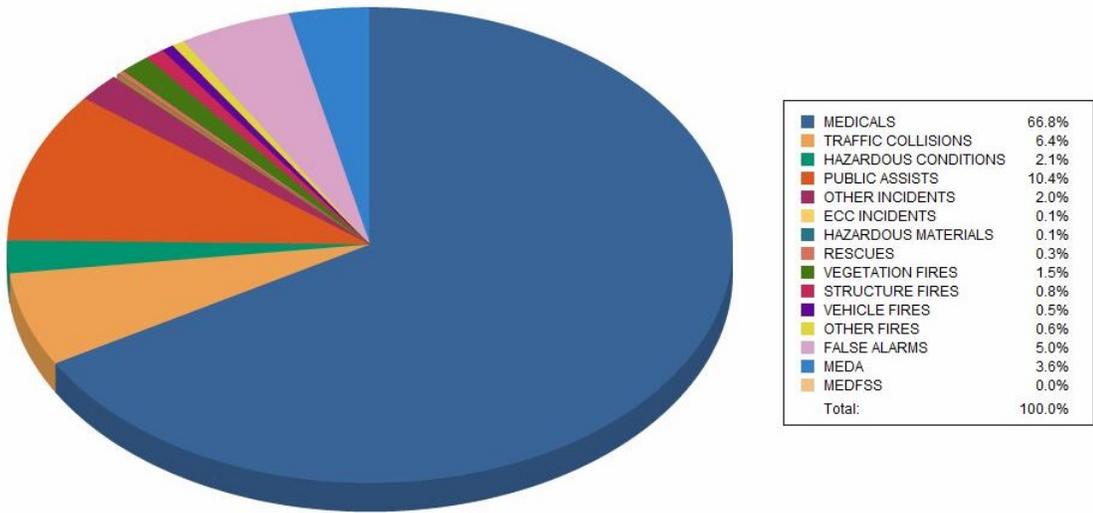


- CAL FIRE Station
- Paradise Fire Station
- X Butte Fire Center
- Butte County Fire Station
- + Chico Air Attack Base
- Butte County Volunteer Fire Station

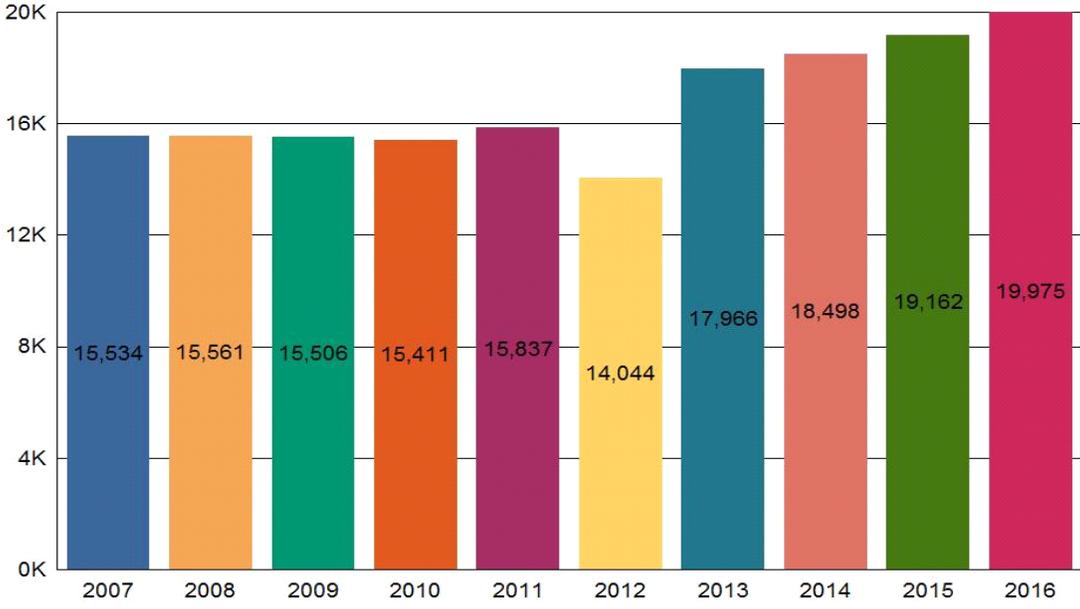


Emergency Response Totals

INCIDENT TYPE PERCENTAGE (2016)



TEN YEAR INCIDENT COMPARISON (ALL INCIDENTS)



Additional statistics are included in Appendices B-J.

Emergency Command Center

The Butte Unit Emergency Command Center (ECC) provides command and control, resource ordering, as well as "pre-arrival" Emergency Medical Dispatch services, for all of the unincorporated areas of Butte County, City of Biggs, City of Gridley, Town of Paradise and the Mooretown Rancheria.

The ECC is staffed 24/7 by CAL FIRE Fire Captains and Communications Operators who have been through approximately 1,000 hours of additional training to become Emergency Command Center Officers and Operators. The ECC processed 19,975 incidents during 2016, up 4.2% from 19,162 during the previous year.

The ECC is a secondary Public Safety Answering Point (PSAP) and is managed by a CAL FIRE Battalion Chief who reports directly to the Butte Unit Administrative Division Chief. During the hours of 0700-2100, the ECC is staffed daily with a minimum of three personnel, one of which is an experienced Fire Captain/Duty Officer. During the hours of 2100-0700, staffing is reduced to two wide-awake personnel and one onsite Fire Captain/Duty Officer. The Duty Officer coordinates closely with, and acts on behalf of, the Unit Duty Chief and ultimately the Unit Chief.



In October 2016, the ECC implemented the computer-based Emergency Medical Dispatch ProQA software that allows for better recording of Emergency Medical Services. The software leads the call-taker through a series of questions to an appropriate response determinant. The system has allowed the Butte County Fire Department to dispatch the most appropriate resource responses to medical aid calls.

The ECC is also the California Office of Emergency Services (Cal OES) Fire Operational Area Mutual Aid Coordination Center for Butte County. As the Operational Area Coordinator, the ECC has the responsibility to coordinate all fire mutual aid resource requests for all jurisdictions within Butte County. This responsibility gives the ECC the authority to order resources directly from all neighboring counties including Colusa, Sutter, Yuba, Plumas, Tehama and Glenn.



Significant Events

The Butte County Fire Department responded to several significant incidents during 2016. These incidents validated the successful use of fire equipment and training. They also provided an opportunity to discuss the challenges and determine if any additional training or equipment was needed to allow the department to provide the best response possible to future events.

- ◆ Gridley cannery fire on December 30, 2015— crews arrived to find a multi-story, multi-occupancy commercial building heavily involved with fire. Fire crews were able to protect more than half of the complex, saving several million of dollars of stored agricultural products.
- ◆ Bangor vegetation fire on September 22, 2016— several fires were ignited along a 1.5-mile stretch of Oro-Bangor Highway burned approximately 130 acres of vegetation. Multiple structures were threatened, and all were saved.
- ◆ Saddle vegetation fire on September 5, 2016— a fire burned approximately 900 acres of vegetation over a five-day period on two sides of Lake Oroville in the West Branch of the Feather River drainage. The communities of Paradise and Concow were threatened, and three structures were destroyed. The CAL FIRE Butte Unit personnel retained command of the incident and were able to control the fire and provide logistical support for a large number of firefighters. Key Incident Command System (ICS) positions were requested through the Resource Ordering and Status System (ROSS), however an Incident Management Team was not activated for this significant incident.



Saddle Incident from Air Attack 210, September 6, 2016.

Chico Air Attack Base

Chico Air Attack Base (CAAB) is home to one OV-10A Bronco air attack and one Grumman S2T air tanker. The OV-10A serves as an air tactics supervision platform, staffed with one pilot and one Battalion Chief or Fire Captain as the Air Tactical Group Supervisor (ATGS). The S2T is capable of hauling and delivering 1,200 gallons of fire retardant. Any air tanker landing at CAAB can be loaded with retardant in one of three drive-thru pits, filling at a rate of 500 gallons per minute. CAAB has a maximum daily delivery of 100,000 gallons of fire retardant per day. The CAAB has the capability to service and support all types of air tankers from throughout Northern California.

Personnel assigned to the base include one Battalion Chief, two Fire Captains, one Fire Apparatus Engineer, seven Firefighter I's, two contract pilots and one contract aircraft mechanic.

The CAAB was staffed for a longer than average season during 2016, from May through November. During the seven months of operation, the CAAB provided support to the vast majority of air tankers in both the State and Federal fleet.

Due to the enduring drought conditions, CAL FIRE augmented the regional response of aircraft by assigning a Type 1 Air Tanker (T-60) at CAAB during the late summer months.

2016 Flight Operations

Flight hours:

Air Attack 210 - 123.4 hours

Tanker 93 - 90.49 hours

Tanker 60 - 56.24 hours

Total flight hours (State and Federal):
430.73 hours

Retardant delivery:

Total retardant pumped: 441,282 gallons
20-year average: 542,132 gallons

Total retardant costs: \$1.15 million
Cost per gallon: \$2.60



Technical Rescue

The Butte County Fire technical rescue team is a multi-disciplinary rescue team designed to perform rescues beyond the scope of engine company personnel. The types of rescues include, but are not limited to: Static Water, Dynamic Water, Trench, Structural Collapse, Confined Space, Low and High Angle Rope rescues, and other technical rescues that require skills, knowledge, and equipment beyond those of initial responding resources. The rescue team is a component of the Butte Interagency Rescue Group (BIRG) which is a conglomeration of fire agencies and the Butte County Sheriff's Office Search and Rescue Team. The water rescue component of the team is recognized as a leader statewide in the water rescue discipline. Every year CAL FIRE/Butte County Fire hosts a specialized training event involving teams of water rescuers and helicopters from CAL FIRE, California Army National Guard, Sacramento Metropolitan Fire District and Butte County Sheriff's Office. This event also includes teams of CAL FIRE rescuers that travel from throughout the state to participate in the advanced training. The water rescue team is also certified through Cal OES and is available to respond to emergencies throughout California.

During 2016, the technical rescue team responded to 63 incidents throughout the county. Sixteen were remote area rescues, 2 confined space rescues, 12 technical rope rescues and 33 water rescues. On December 7th, the technical rescue team rescued a person from a large agricultural product storage compartment. The water rescue team made several lifesaving rescues throughout the year on a number for the county's major river drainages.

The rope rescue and water rescue teams conducted 21 drills throughout the year, including two, one-week long team drills.



Technical Rescue 2016 Response Totals

Rescue Type	Count
Technical Rope	12
Remote Area	16
Confined Space	2
Water	33
Total	63

Interagency Hazardous Materials Team

The team was organized by the Butte County Fire Chiefs' Association beginning in 1989 through the use of a Joint Powers Agreement (JPA). Team members are provided by the various departments: Cities of Chico, Oroville, Paradise, Biggs, and Gridley; and the County of Butte/CAL FIRE. Funding is provided through the JPA (at \$.15 per capita), various grants, and reimbursements. The team responds to numerous incidents annually, with drug lab waste being one of the primary causes of incidents. Other potential significant incidents include train derailments, tanker overturns, and agricultural incidents.

The team is composed of 30 to 40 Hazardous Materials Specialists. The team conducts monthly training drills. Drills include a variety of hands-on skills, as well as technical skills, including sophisticated detection equipment.

The team's operations are guided by written Standard Operating Procedures. The team is certified as Cal OES Type 2 and staffs one Cal OES Type 1 response unit and one support unit. HazMat Support 64 is stationed at the Kelly Ridge CAL FIRE/Butte County Fire Station and HazMat 5 is stationed at Chico Fire Station 5.



2016 HazMat Team Responses

Jurisdiction	Count
Butte County Fire	12
Assists to Other Jurisdictions	3
Total	15





Training & Safety Bureau

The Butte Unit Training & Safety Bureau is responsible for the delivery and documentation of training for all career and volunteer personnel. The bureau is also responsible to coordinate and facilitate the unit-wide training plan, match training courses with approved personnel training requests and maintain a central location for updated training records for all employees. The bureau ensures that federal, state and locally-mandated training is provided to the department's career and volunteer firefighters. The bureau is staffed with one Battalion Chief, four Fire Captains and one office assistant.

The department is continually enhancing its Openshaw Training Center which allows firefighters, as well as law enforcement personnel, to train in a variety of situations. The facility contains an approved Rescue Systems training site, as well as a burn building, multiple roof ventilation props, forcible entry props, and a two-story building prop that can be used for various drills. Plans to construct a four-story training tower are underway.

Annually, the Training & Safety Bureau provides and/or coordinates thousands of student instructional hours to over 400 career and volunteer firefighters from CAL FIRE Butte Unit, Butte County Fire Department and personnel from other Butte County Training Officer Association agencies.

During June 2016, a large multi-agency wildland urban intermix vegetation fire drill was conducted in the southern Paradise area. The drill included structure defense simulations, aircraft operations, staffing of the Emergency Operations Center, and implementation of the Town of Paradise one-way evacuation plan.

The Butte County Fire Department Training Program goal is to assure quality service to the public by developing the skills and abilities of all Butte County Fire Department's career and volunteer personnel. This is accomplished through training that is economical, effective, and consistent with the needs of the public, the County of Butte, the department, and the employee.



Training 2016

Classes Delivered	76
Personnel Training Hours	24,000

Training & Safety Bureau 2016 Accomplishments

CAL FIRE Classes		Academies	
Incident Management 1	1	Firefighter I (5 days)	3
S-390 Int. Wildland Fire Behavior	1	Firefighter II (5 days)	1
Butte County Fire Classes		Fire Apparatus Engineer (5 days)	1
Multi-Company Drills	20	Emergency Medical Services	
Fire Prevention courses	4	CPR	5
Annual Skills & Drills	3	EMT Continuing Education classes	13
Acquired Structure burns	1	King Airway	4
State Fire Marshal Classes		Public Safety First Aid	4
Auto Extrication Level 1	1	Volunteer Firefighter classes	
Auto Extrication Level 2	1	Confined Space Awareness	1
Auto Extrication Level 3	1	Emergency Vehicle Operations	1
Fire Control 3	1	HazMat First Responder Operations	1
Firefighter Survival	1	Incident Management	1
ICS-300	1	S-130 Firefighter Training	1
Low Angle Rope Rescue Operations	1	S-190 Intro to Wildland Fire Behavior	1
Pump Operations	1	Volunteer Academy (200 hours)	1

Respiratory Protection Fit Testing	Personnel Hours	Joint Apprenticeship Committee	
500 personnel	250 hours	JAC Employees	62
Ladder Testing		JAC Tests	4
186 ladders	135 hours	JAC training hours	4100

Fire Prevention Bureau

The Butte Unit Fire Prevention Bureau is responsible for public education, public information, fire hazard abatement, pre-fire planning, burn permits, life safety, criminal law enforcement, and fire origin and cause investigations. Each of these programs is an important facet of a well-balanced fire prevention program.

The Fire Prevention Bureau supports the fire investigation needs of the Unit, assisting with complex fire investigations such as those involving fire fatalities, commercial structures, suspected arson, or detailed follow-up investigative work. The investigators are active members of the Butte County Fire Investigation Team, which is comprised of representatives from all fire departments in the county. Through the fire investigation process, specific fire cause problems can be identified and can be addressed utilizing focused prevention efforts of enforcement and education programs. Details are described in the Butte Unit Fire Plan/Community Wildfire Protection Plan.

Defensible Space Inspections/Weed Abatement Enforcement

Defensible Space Inspectors, as well as fire station personnel, conduct inspections of structures to help enforce the defensible space requirements of Public Resources Code 4291 within the State Responsibility Area (SRA). Several hundred hours are committed to personally educate the public on fire safety issues.

The Butte County weed abatement ordinance is enforced on specific parcels throughout the county. The Fire Captain Specialist/Weed Abatement Officer responds to resident complaints, performs site inspections, and issues non-compliance letters to property owners.

Education

Public education and information are major components to the fire prevention program. One Fire Prevention Specialist manages the program and coordinates the efforts of all volunteers and fire station personnel.

Educational messages and information are conveyed through multiple avenues including displays at public events, roadside signs, media releases, a cellular phone mass public notification system, and Twitter.

The public information function is covered 24-hours per day, 7-days per week by several trained personnel. The overall goal of this function is to keep the citizens of Butte County informed by providing timely and accurate information. A workforce of 22 trained volunteer call center staff can be activated when large incidents cause a high volume of phone calls from the public. The call center was staffed four times for approximately 190 hours during four large vegetation fire incidents that occurred last year.

2016 Statistics

Law Enforcement	Count
Felony Arrests	9
Citations	16
Defensible Space Inspections	5,136
Defensible Space Violations	507

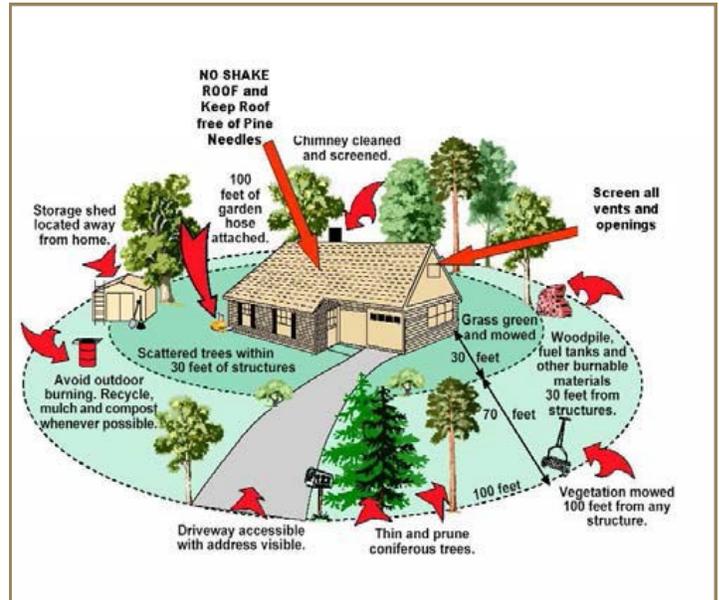
Education	Count
Education Programs	71
Residents Reached	27,000
Media Releases/Fact Sheets	77
Operations Personnel Hours	1,559
Volunteers in Prevention	30
Social Media Postings	483

Fire Marshal and Fire Protection Planning

The Fire Marshal is responsible for enforcing the Butte County Improvement Standards and California Fire Code on all use permits, minor use permits and commercial building permits countywide. The Fire Marshal also enforces and inspects all California Code of Regulations Title 19 regulated occupancies in unincorporated Butte County.

The Fire Marshal is responsible for enforcing Public Resources Code 4290, 4291 (SRA only), Butte County Improvement Standards, and the California Fire Code on all new building construction (commercial and residential) within Butte County. Installation of sprinkler systems in one- and two-family dwellings is enforced in accordance with National Fire Protection Association (NFPA) standard 13D and California Residential Code. The Fire Marshal also enforces the above codes and standards on all lot line adjustments, grading permits, parcel splits, subdivisions, general plan amendments, administrative permits, and rezones within Butte County.

Fire protection planning is reviewed at the subdivision and parcel map level and typically implemented at the development stages of a project. Large fires are inevitable, but the destruction associated with wildland-urban interface (WUI) fires can be prevented by reducing hazards around structures before fires start. The most important mitigation is building construction that reduces the risk of building ignition. This will keep firefighting resources from becoming overwhelmed, reduce fire suppression costs and reduce damage to structures.



Reviews & Inspections	Count
Building Permits	81
Certification of Correction	1
Lot Line Determinations	6
Lot Line Adjustments	13
Land Conservation Agreements	11
Parcel Merger	2
Map Extensions	6

Reviews & Inspections	Count
Tentative Parcel Maps	6
Tentative Subdivision Maps	3
Use Permits	5
Minor Use Permits	6
Title 19 Inspections	33
Pre-Construction Inspections	266
Final Inspections	147

Resource Management & Fuels Reduction

CAL FIRE's mission emphasizes the management and protection of California's natural resources. The Resource Management Program is an integral part of that responsibility.

The Butte Unit is rich in natural resources and contains approximately 200,000 acres of commercial timberland. Approximately 40 million board feet of timber is harvested annually from these lands which makes timber one of the top ten economically-valued agricultural products in Butte County. In addition to timber, the wildlands also provide valuable watershed, wildlife habitat, and recreation resources. Maintaining the sustainability of all these natural resources is the goal of the Resource Management & Fuels Reduction Division. The Department achieves this goal by administering state and federal forestry assistance programs for landowners, enforcing the California Forest Practice Act on all non-federal timberlands, providing research and educational outreach to the public on forest pests, and coordinating efforts for fuel reduction to reduce the risk of fire and improve the quality of ecosystems.

The Resource Management & Fuels Reduction Division is comprised of two primary programs, Forest Practices Enforcement and Vegetation Management.

Forest Practice Enforcement

CAL FIRE enforces the Forest Practices laws that regulate commercial timber harvesting. The Forest Practice Act was enacted in 1973 to ensure that logging is conducted in a manner that will preserve and protect fish, wildlife, forests and streams. Additional rules that are periodically enacted by the State Board of Forestry and Fire Protection are also enforced to protect these resources.

The Timber Harvesting Plan (THP) and Non-industrial Timber Management Plan (NTMP) are the environmental review documents submitted by landowners to CAL FIRE outlining what timber he or she wants to harvest. The documents thoroughly describe how timber will be harvested and the steps that will be taken to prevent damage to the environment. Also, multiple exemptions to the timber harvest plan requirements exist to allow landowners to harvest timber under specific conditions. With the enduring drought conditions and coinciding tree mortality epidemic, additional exemptions have been adopted to expedite the harvest of dying timber that threaten powerlines and other critical infrastructure.

The Department reviews and approves THPs, NTMPs, and Exemptions to ensure compliance with all laws and regulations. CAL FIRE follows-up on approved plans and exemptions with onsite inspections. CAL FIRE can shutdown operations, cite or fine Registered Professional Foresters, Licensed Timber Operators and landowners when illegal operations are discovered.

Timber Harvest Plans (THP) Received	8	Pre-Harvest Inspections	10
Exemptions Received	151	Active Inspections	7
Open THPs	65	Inactive Inspections	1
Active THPs	18	Post-harvest Inspections	21
Active Nonindustrial Timber Management Plans (NTMP)	2	Maintenance Inspections	8
Completion Report Inspections	13	Citation Case Reports Submitted	1
Stocking Report Inspections	16	Notices of Violation Issued	9

Vegetation Management

The wildlands of California are naturally fire prone. Communities within the wildland-urban interface (WUI) and rural intermix areas are at risk. Most of the natural ecosystems of plants and animals have adapted to natural fire conditions, however these ecosystems are also at risk from catastrophic wildfire primarily due to hazardous fuel conditions exacerbated by drought and past land management practices. The strategic management and control of wildland vegetation is essential to the safety, health, recreation, and economic well-being of our citizens.

Hazardous fuels consists of live and dead vegetation that has accumulated and increased the likelihood of large wildland fires. Hazardous fuel reduction projects generally involve the reduction of surface and ladder fuels and thinning of crowded trees, preserving larger trees. Treatments are often accomplished by hand crews using prescribed fire and mechanical treatments to remove or modify fuels in wildland areas.

Goals of fuel reduction activities include: enhancement of life safety, reduction of fire suppression costs, reduction of private property losses, and protection of natural resources (control of invasive species, improvement of rangeland for livestock grazing, improvement of fish and wildlife habitat, enhancement and protection of riparian areas and wetlands, and improvement of water quality) from devastating wildfire. Reducing fire intensity through vegetation management can substantially aid in wildland fire containment and control, while creating safety zones for firefighters and citizens.

Many projects are implemented through the use of CAL FIRE-appropriated SRA Fire Prevention Fee funding, CAL FIRE general operating budgets, SRA Fire Prevention Fee grants, federal grants, and private landowner/CAL FIRE Vegetation Management Program cost-share agreements.

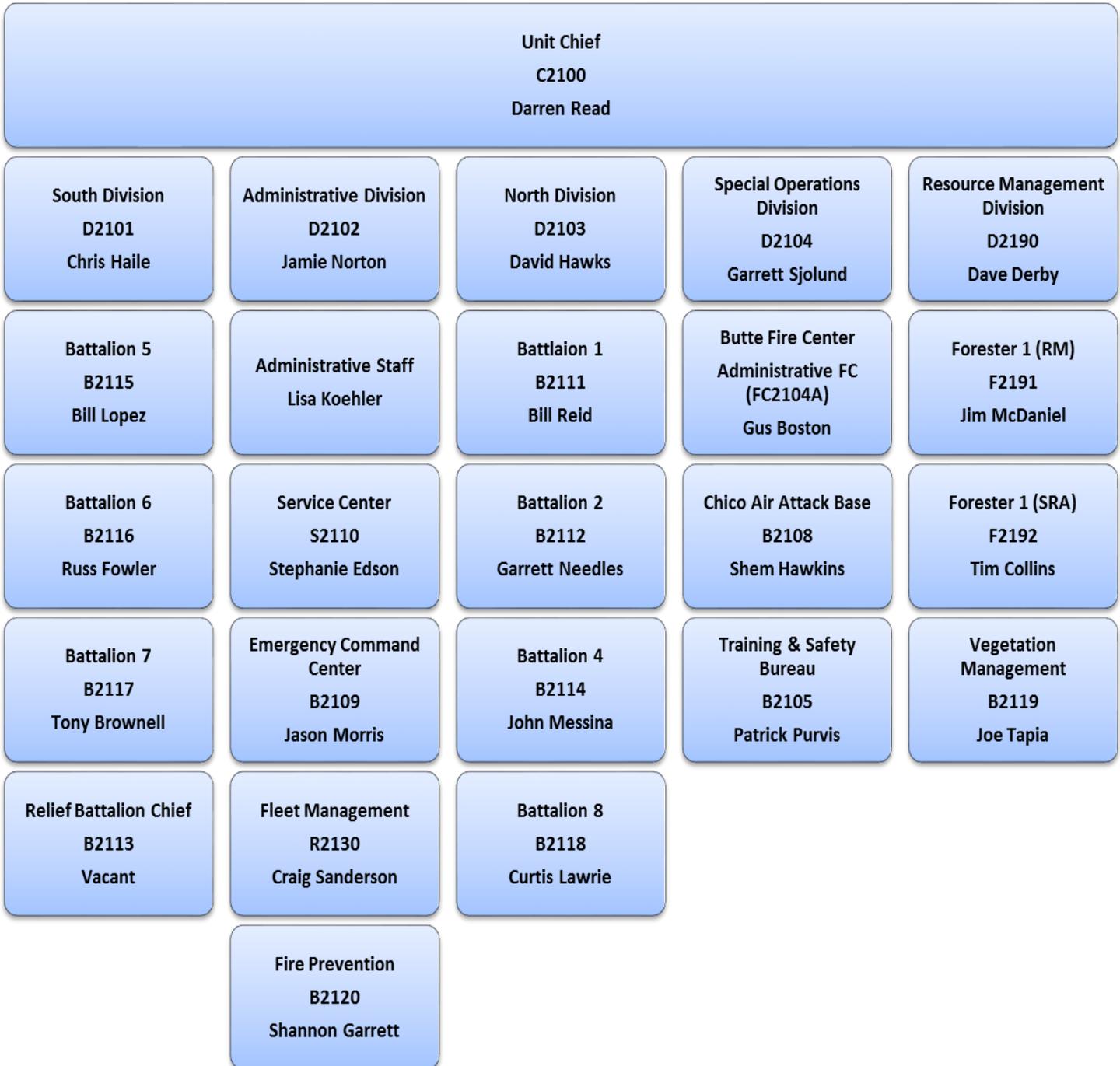
Vegetation Management Activities

Drought augmentation funding allowed the Butte Unit to implement hazardous fuel reduction activities with a crew of 18 firefighters during the Spring and Fall months of 2016. Approximately 375 acres were treated on seven separate projects during 2016. Two broadcast burn VMP agreements (for a total of 1,338 acres) were analyzed, written and approved during the year. Additionally, six projects were funded through SRA Fire Prevention Fee grants.



Fuel Reduction Activities	Acres
Thinning	112
Chipping	48
Piling	68
Pile Burning	54
Broadcast Burning	93

Appendix A: Department Organizational Chart



Appendix B: Emergency Response Statistics

Definitions and Notes:

Dispatched Agencies: All agencies that are dispatched by the CAL FIRE / Butte County Fire Department Oroville Emergency Command Center

First Due Station: The jurisdictional agency station's area where the incident occurred based on the Computer Aided Dispatch Dynamic Routing.

Agencies

- CABIG - City of Biggs Fire Department
- CABTC - Butte County Fire Department (New ID)
- CABUT - Butte County Fire Department (Former ID)
- CABTU - CAL FIRE Butte Unit
- CACDF - CAL FIRE (Out Of Unit Activity)
- CACHI - City of Chico Fire Department
- CAEMD - El Medio Fire Protection District
- CAGR - City of Gridley Fire Department
- CALNF - United States Forest Service Lassen National Forest
- CAMAY - Marysville Fire Department
- CAMRT - Mooretown Rancheria Fire Department
- CAORO - City of Oroville Fire Department
- CAPNF - United States Forest Service Plumas National Forest
- CAPRA - Town of Paradise Fire Department
- CASTC - Sutter County Fire Department
- CATCR - Tehama County Fire Department
- CAXPU - Plumas County Unprotected Area

Incident Types

- MED - Medical
- MEDF—Medical Flight
- MEDA - Medical Code 2
- T/C - Traffic Collision
- HAZ-CON - Hazardous Condition
- P/A - Public Assist
- OTH - Other / Miscellaneous
- ECC -Emergency Command Center Specific Incidents
- HAZ-MAT - Hazardous Materials
- RESCUE - Technical Rescue
- VEG - Vegetation Fire
- STR - Structure Fire
- VEH - Vehicle Fire
- OTH FIRE - Other Fire Types not categorized above
- F/A - False Alarm (Fire)

Stations

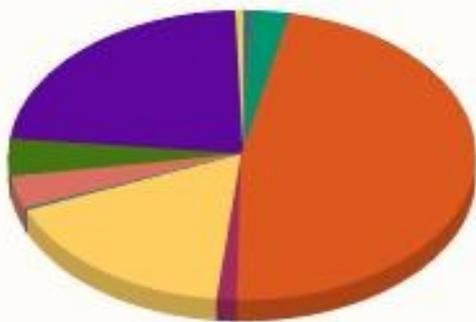
- 11 - CAL FIRE Butte Meadows
- 13 - CAL FIRE Stirling City
- 22 - CAL FIRE Cohasset
- 23 - CAL FIRE Forest Ranch
- 33 - Butte County Fire Upper Ridge
- 35 - CAL FIRE Paradise
- 36 - CAL FIRE Jarbo Gap
- 41 - Butte County Fire Nord
- 42 - Butte County Fire North Chico
- 44 - Butte County Fire South Chico
- 45 - Butte County Fire Durham
- 51 - CAL FIRE Feather Falls
- 54 - CAL FIRE Robinson Mill
- 55 - Butte County Fire Bangor
- 62 - CAL FIRE Harts Mill
- 63 - CAL FIRE Oroville
- 64 - Butte County Fire Kelly Ridge
- 71 - Butte County Fire Richvale
- 72 - Butte County Fire Palermo
- 73 - Butte County Fire/City of Biggs
- 74 - Butte County Fire/City of Gridley
- 81 - Paradise Birch Street
- 82 - Paradise South Libby Rd
- ECC - CAL FIRE Emergency Command Center

Appendix C: Emergency Response Statistics

JURISDICTIONAL AGENCY ACTIVITY 2016

AGENCY	MED	T/C	MEDF	HAZ - CON	P/A	ECC OTH	HAZ - MAT	RESCUE	VEG	STR	VEH	OTH FIRE	F/A	Total
CABIG	107	0	0	4	23	0	0	0	0	5	0	1	8	148
CABTC	5	0	0	0	0	1	0	0	0	0	0	0	0	6
CABTU	1	0	0	1	1	166	0	0	135	3	5	29	169	510
CABUT	6,558	757	3	191	905	160	10	41	90	85	67	44	353	9,264
CACDF	6	5	262	2	1	6	1	1	3	3	0	0	0	290
CACHI	2,265	271	0	100	248	31	3	3	60	123	15	31	191	3,341
CAEMD	11	3	0	2	4	6	0	0	20	17	1	6	7	77
CAGRD	516	31	0	4	78	5	1	0	2	5	3	2	35	682
CAORO	626	39	1	10	47	37	0	2	30	28	5	9	32	866
CAPNF	0	0	0	0	0	2	0	0	6	0	0	0	1	9
CAPRA	3,349	172	0	119	561	49	0	2	16	19	6	15	197	4,505
CASTC	14	14	0	2	2	20	0	0	9	11	1	1	2	76
CATCR	1	5	0	0	1	0	0	0	2	0	0	0	0	9
CAXPU	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	13,459	1,298	266	435	1,871	483	15	49	373	299	103	138	995	19,784

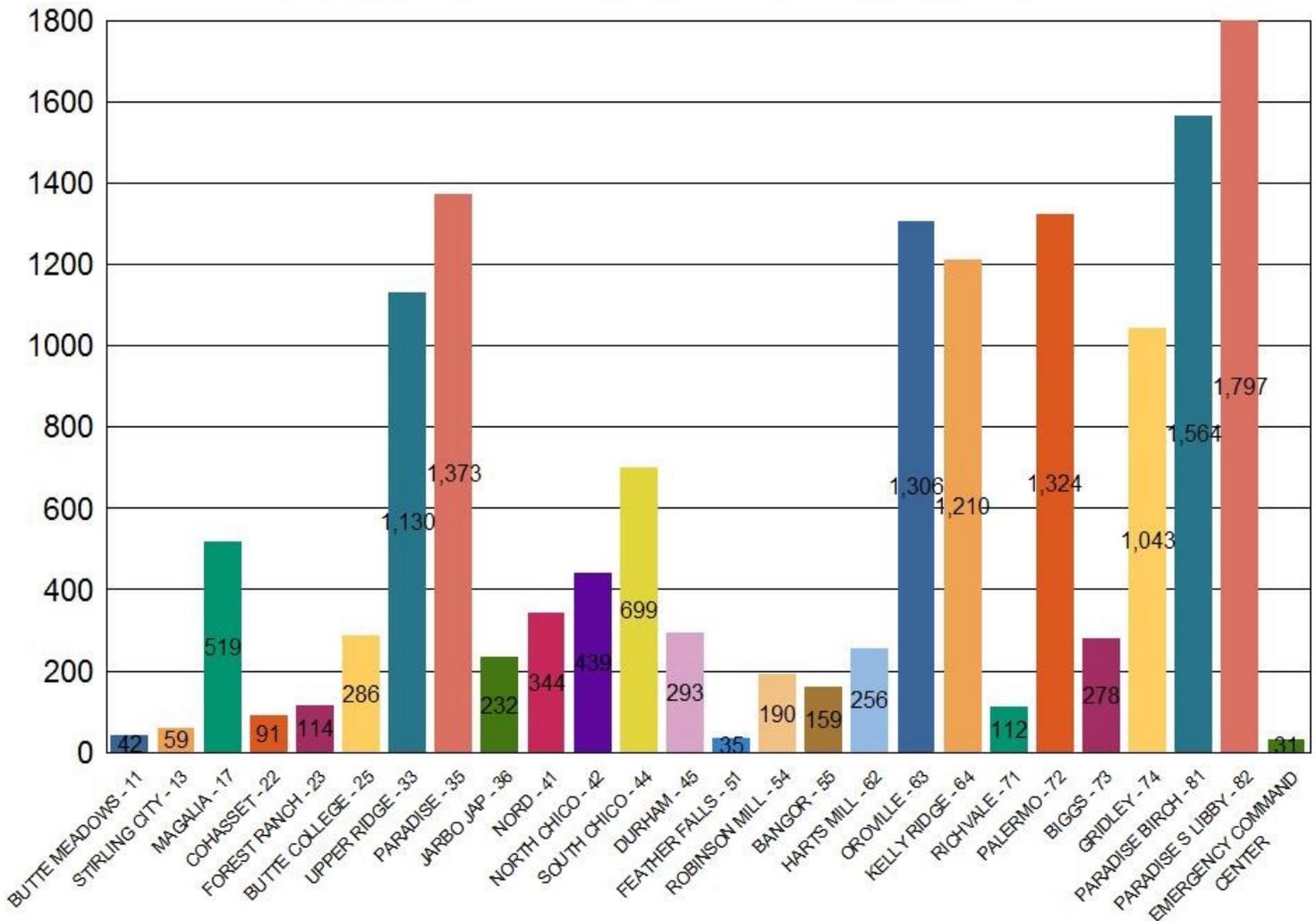
JURISDICTIONAL AGENCY ACTIVITY



CABIG	148	0.7%
CABTC	6	0.0%
CABTU	510	2.6%
CABUT	9,264	46.8%
CACDF	290	1.5%
CACHI	3,341	16.9%
CAEMD	77	0.4%
CAGRD	682	3.4%
CAORO	866	4.4%
CAPNF	9	0.0%
CAPRA	4,505	22.8%
CASTC	76	0.4%
CATCR	9	0.0%
CAXPU	1	0.0%
Total:	19,784	100.0%

Appendix D: Emergency Response Statistics

ALL DISPATCHED AGENCIES FIRST DUE STATION ACTIVITY



Appendix E: Emergency Response Statistics

ALL DISPATCHED AGENCIES FIRST DUE STATION ACTIVITY BY TYPE

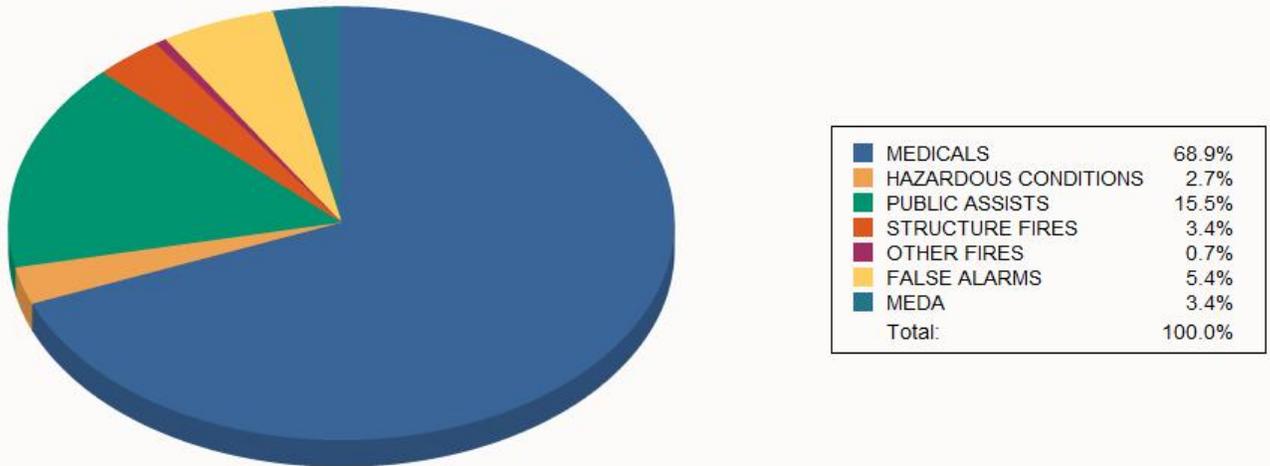
STATION	MED	T/C	MEDF	HAZ - CON	P/A	ECC OTH	HAZ - MAT	RESCUE	VEG	STR	VEH	OTH FIRE	F/A	Total
11	15	15	0	1	4	1	1	0	2	0	1	0	2	42
13	35	2	0	1	8	1	0	1	2	3	1	1	4	59
17	375	9	0	10	81	14	0	0	2	3	2	6	17	519
22	40	5	0	4	27	2	0	0	2	2	1	1	7	91
23	62	12	0	6	13	3	0	2	3	2	0	2	9	114
25	141	58	0	6	15	9	0	1	7	4	6	7	32	286
33	803	42	0	17	171	19	1	1	8	13	1	5	49	1,130
35	1026	58	0	33	189	6	0	0	5	7	2	2	45	1,373
36	133	30	0	6	9	11	2	3	16	4	2	0	16	232
41	193	44	0	5	28	8	0	3	6	7	1	2	47	344
42	299	14	0	7	56	6	0	0	4	7	3	5	38	439
44	432	81	0	19	42	23	3	3	19	6	12	7	52	699
45	205	25	0	10	24	7	0	1	4	1	1	1	14	293
51	23	2	0	0	6	1	0	0	1	1	0	0	1	35
54	120	17	0	4	16	6	0	1	6	2	2	1	15	190
55	98	15	0	3	16	7	0	0	7	1	1	1	10	159
62	169	23	0	9	24	9	0	0	6	0	4	1	11	256
63	1002	67	0	14	93	38	0	10	23	6	7	9	37	1,306
64	884	88	0	22	118	25	0	0	14	8	0	4	47	1,210
71	51	17	0	5	3	4	0	3	11	1	8	1	8	112
72	1017	69	0	22	77	24	1	6	34	11	7	9	47	1,324
73	174	26	0	7	28	4	0	1	5	7	4	3	19	278
74	724	89	0	14	102	18	2	3	16	7	8	4	56	1,043
81	1,119	86	0	56	149	25	0	0	16	8	2	6	97	1,564
82	1,359	54	0	32	247	15	0	3	4	4	3	8	68	1,797
ECC	2	0	1	2	1	18	0	1	2	1	0	1	2	31
Total	10,501	948	1	315	1,547	304	10	43	225	116	79	87	750	14,926

Appendix F: Biggs FD Emergency Response Statistics

BIGGS FD INCIDENT ACTIVITY BY TYPE FOR 2016

STATION	MED	HAZ-CON	P/A	STR	OTH FIRE	F/A	MEDA	Total
73	102	4	23	5	1	8	5	148
Total	102	4	23	5	1	8	5	148

INCIDENT ACTIVITY BY TYPE FOR BIGGS FD

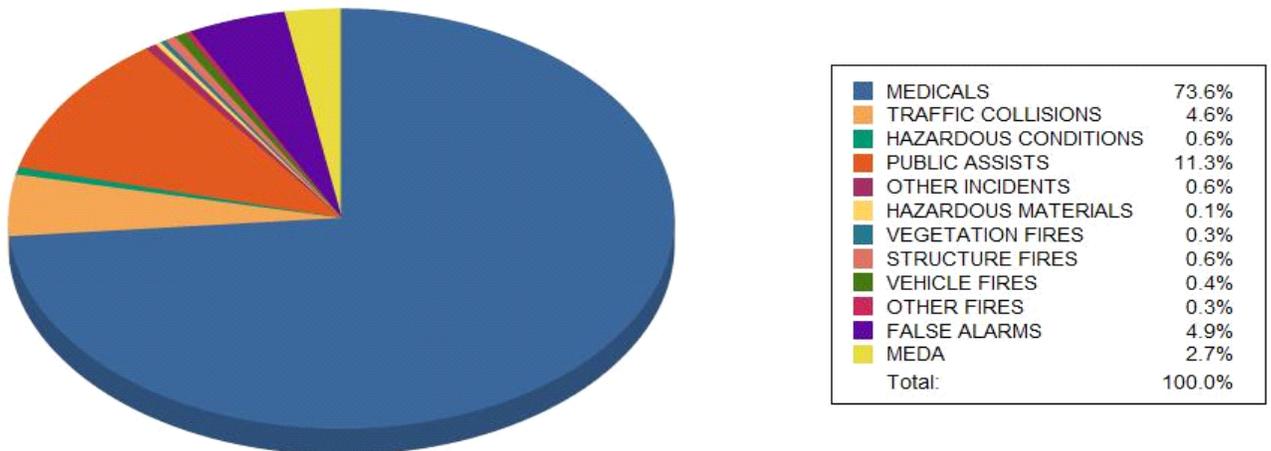


Appendix G: Gridley FD Emergency Response Statistics

GRIDLEY FD INCIDENT ACTIVITY BY TYPE FOR 2016

STATION	MED	T/C	HAZ-CON	P/A	OTH	HAZMAT	VEG	STR	VEH	OTH FIRE	F/A	MEDA	Total
74	497	31	4	76	4	1	2	4	3	2	33	18	675
Total	497	31	4	76	4	1	2	4	3	2	33	18	675

INCIDENT ACTIVITY BY TYPE FOR GRIDLEY FD

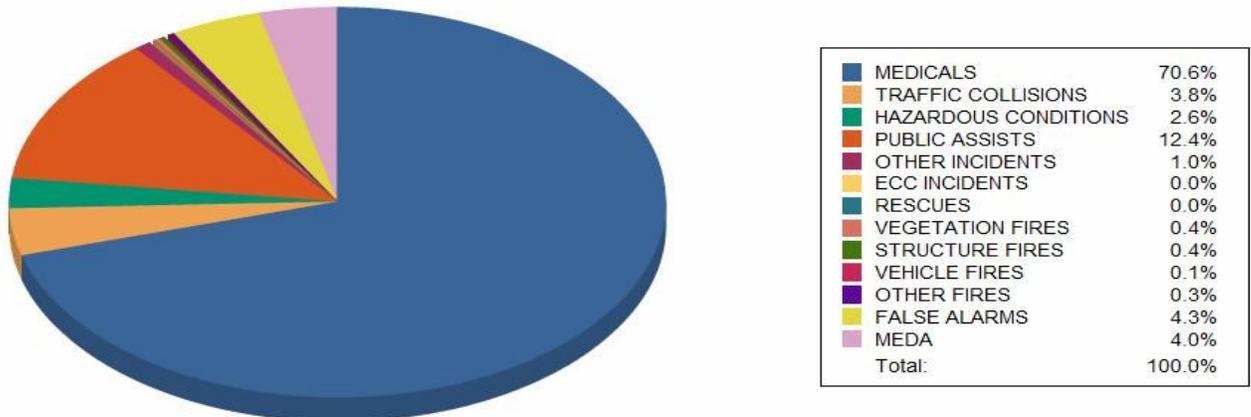


Appendix H: Paradise FD Emergency Response Statistics

PARADISE FD INCIDENT ACTIVITY BY TYPE FOR 2016

STATION	MED	T/C	HAZ-CON	P/A	OTH	ECC	RESCUE	VEG	STR	VEH	OTH FIRE	F/A	MEDA	Total
35 (CAL FIRE)	948	58	33	184	6	0	0	5	6	2	2	45	48	1,337
81 (PRA)	1,032	67	54	147	25	0	0	9	8	1	5	89	61	1,498
82 (PRA)	1,189	45	32	227	11	0	2	2	4	3	8	61	69	1,653
ECC	1	0	0	0	3	1	0	0	0	0	0	0	0	5
Total	3,168	170	119	558	45	1	2	16	18	6	15	195	178	4,491

INCIDENT ACTIVITY BY TYPE FOR PARADISE FD



Appendix I: Emergency Response Statistics—Aid Given

FIRST DUE STATION ACTIVITY TO ANOTHER AGENCY

Station	Agency Assisted	MED	T/C	MEDF	HAZ - CON	P/A	ECC OTH	HAZ - MAT	RESCUE	VEG	STR	VEH	OTH FIRE	F/A	Total
11 BTU	CATCR	0	5	0	0	1	0	0	0	2	0	0	0	0	8
	CAXPU	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	Total	0	6	0	0	1	0	0	0	2	0	0	0	0	9
22 BTU	CATCR	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Total	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23 BTU	CACHI	1	0	0	0	0	0	0	0	1	0	0	0	0	2
	Total	1	0	0	0	0	0	0	0	1	0	0	0	0	2
36 BTU	CACDF	3	4	0	1	0	0	0	0	0	0	0	0	0	8
	CAPNF	0	0	0	0	0	1	0	0	2	0	0	0	0	3
	Total	3	4	0	1	0	1	0	0	2	0	0	0	0	11
41 BTC	CACHI	53	3	0	5	7	0	0	0	0	1	0	0	4	73
	Total	53	3	0	5	7	0	0	0	0	1	0	0	4	73
42 BTC	CACHI	1,504	160	0	52	177	13	1	2	29	49	9	16	81	2,093
	Total	1,504	160	0	52	177	13	1	2	29	49	9	16	81	2,093
44 BTC	CACHI	558	95	0	35	40	9	2	1	24	60	3	7	85	919
	Total	558	95	0	35	40	9	2	1	24	60	3	7	85	919
54 BTU	CAPNF	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	Total	0	0	0	0	0	0	0	0	1	0	0	0	0	1
62 BTU	CAPNF	0	0	0	0	0	0	0	0	2	0	0	0	0	2
	Total	0	0	0	0	0	0	0	0	2	0	0	0	0	2
63 BTU/ BTC	CAEMD	0	0	0	0	0	0	0	0	2	5	0	0	2	9
	CAORO	566	21	0	8	39	5	0	0	13	24	5	5	23	709
	Total	566	21	0	8	39	5	0	0	15	29	5	5	25	718
64 BTC	CAEMD	0	0	0	0	0	0	0	0	7	8	0	2	0	17
	CAORO	11	1	0	1	2	0	0	0	2	3	0	2	5	27
	Total	11	1	0	1	2	0	0	0	9	11	0	4	5	44
72 BTC	CAEMD	0	0	0	0	0	0	0	0	9	4	0	2	3	18
	CAORO	0	1	0	0	0	0	0	0	1	0	0	0	0	2
	Total	0	1	0	0	0	0	0	0	10	4	0	2	3	20
74 GRD	CACDF	0	1	0	0	0	0	0	0	2	2	0	0	0	5
	CASTC	0	0	0	0	0	1	0	0	9	11	1	1	2	25
	Total	0	1	0	0	0	1	0	0	11	13	1	1	2	30
ECC	CACDF	3	0	102	1	0	2	0	1	1	1	0	0	0	111
	CACHI	0	0	0	0	0	1	0	0	0	0	0	4	9	14
	CAEMD	11	3	0	2	3	4	0	0	0	0	0	2	1	26
	CAORO	42	15	0	1	4	19	0	2	14	0	0	1	2	100
	CASTC	14	14	0	2	2	18	0	0	0	0	0	0	0	50
	CAPNF	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	Total	70	32	102	6	9	44	0	3	16	1	0	7	12	302
Total		2,767	324	102	108	275	73	3	6	122	168	18	42	217	4,225

Appendix J: Emergency Response Statistics—Aid Received

COOPERATOR ASSISTANCE PROVIDED TO CAL FIRE/BUTTE COUNTY FIRE

AGENCY	MED	T/C	HAZ - CON	P/A	OTH	ECC	HAZ - MAT	RESCUE	VEG	STR	VEH	OTH FIRE	F/A	Total
CACHI	509	117	18	72	17	1	4	28	34	20	11	12	74	917
CAEMD	163	39	4	14	5	0	0	0	14	5	0	1	1	246
CAORO	101	72	3	9	2	2	0	7	32	14	2	2	14	260
CAPRA	174	55	4	31	6	2	1	11	32	25	6	6	5	358
Total	947	283	29	126	30	5	5	46	112	64	19	21	94	1,781