

BUTTE COUNTY COOPERATIVE FIRE PROTECTION ANNUAL REPORT 2018

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



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

Chief's Message

It's my pleasure to share with you the 2018 Annual Report for the CAL FIRE Butte Unit, Butte County Fire Department and the Cities of Biggs & Gridley and the Town of Paradise Fire Departments. I believe that you'll find the annual report informative and useful. 2018 was another very busy year across California for our CAL FIRE firefighters, and locally culminated with the Camp Fire, the most destructive and deadly fire in California's history.



Your fire department continues to operate with the highest degree of professionalism every day. Many of our accomplishments are detailed in this report. CAL FIRE Butte County responds to an average of 51 emergencies per day ranging from fires, structural, vehicle and wildland; medical emergencies of all types; traffic collisions where patients may require extrication from their vehicles; technical rescues where our firefighters must enter confined spaces, collapsed trenches, rappel over the side of a cliff to rescue victims, enter static or dynamic water ways to rescue victims; and, hazardous material incidents where firefighters are called upon to mitigate a wide array of chemical substances many of which are harmful or fatal if inhaled.

In 2018, California experienced significant wildland fires across the state and locally. The Department had personnel and resources assigned to California wildfires for weeks at a time throughout the summer and fall. November 8, 2018 is a day that will live with each of us both personally and professionally. The Camp Fire ultimately burned 153,336 acres, and was California's most destructive and deadly fire, claiming the lives of 85 civilians and destroying 18,804 structures as it burned under extreme conditions through the communities of Concow, Yankee Hill, Town of Paradise, Magalia and Butte Creek Canyon. I'm extremely proud of our firefighters as there are countless stories of heroism that day; firefighters who risked their own lives to save the lives of others and to protect critical infrastructure.

As we come in to 2019, I am honored to lead the men and women of CAL FIRE Butte County. Our firefighters, career and volunteer are well trained, experienced and dedicated and it shows through their work each day.

David Hawks

Fire Chief

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Butte County Cooperative Fire Protection

The Butte County Fire Department benefits from an 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 communities (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 like the one we employ 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 beneficiaries 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 2018, the Butte County Fire Department responded to 18,662 calls. The fire department continually tracks these statistics and looks for ways to improve skills, training, services and response capabilities.

Department Overview

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, water 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)-338
- ◆ Uniformed Personnel (Winter) - 240
- ◆ On-Duty Strength (Summer)-98
- ◆ Department Chiefs-19
- ◆ Civilian Personnel-16
- ◆ County Volunteers-168

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.

Significant Events

The Butte County Fire Department responded to several significant incidents during 2018. 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.

- ◆ The Shippee Fire (LRA) started on June 26, 2018– the fire started near Midway and Esquon Rd. Southeast of Durham and burned 400 acres.
- ◆ The Par Fire (LRA) started on July 4, 2018– the fire started on Oro Dam Blvd., near the Oroville Airport and burned 190 acres.
- ◆ The Stoney Fire (LRA) started on July 12, 2018– the fire started in Upper Bidwell Park, City of Chico and burned 962 acres.
- ◆ The Simmons Fire (SRA) started on July 19, 2018 - the fire started approximately east of Hwy 162 near Simmons Rd. Oroville, and burned 70 acres.
- ◆ The Junes Fire (LRA) started on October 30, 2018– the fire started near Four Junes Way in Palermo and burned 550 acres.
- ◆ The Camp Fire (SRA) started on Nov. 8, 2018 - the fire started near Camp Creek Road, Jarbo Gap. The fire burned 153,336 acres, destroyed 18,804 structures and resulted in 85 civilian fatalities.

Total Acre's Burned

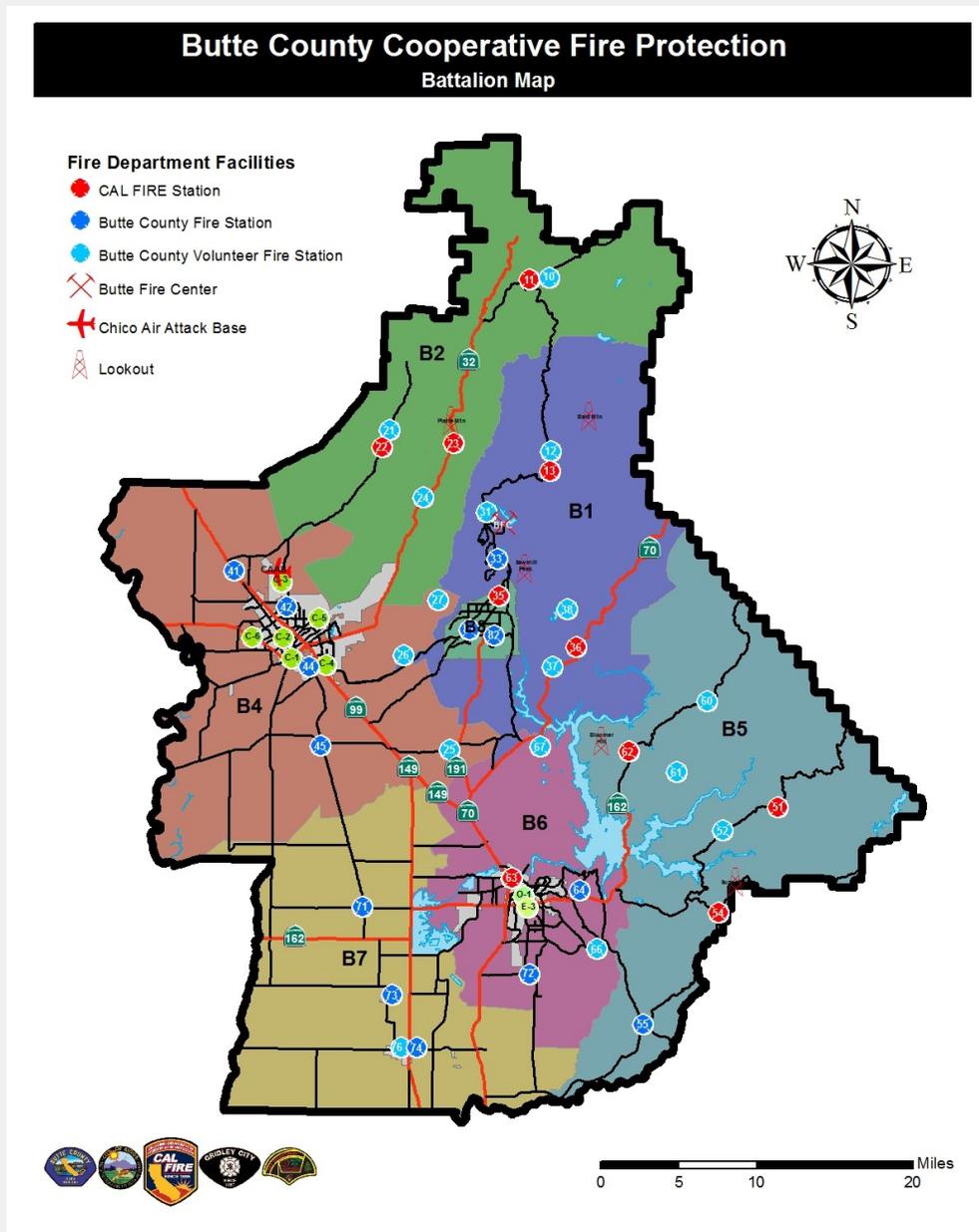
Total acres burned by jurisdiction. Fire may have spread into other responsibility areas, but is not apportioned in these totals.

- State Responsibility Area (SRA)- 154,202 acres
- Local Responsibility Area (LRA) - 1,648

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 the Town of Paradise Fire Department.

- ◆ 1 Emergency Command Center
- ◆ 2 Mobile Equipment Shops
- ◆ 1 Air Attack Base
- ◆ 22 Fire Stations
- ◆ 39 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
- ◆ 17 Volunteer Fire Stations
- ◆ 22 Volunteer Fire Engines
- ◆ 14 Type I Water Tenders
- ◆ 7 Squads
- ◆ 1 Breathing Air Support Unit
- ◆ 1 Rescue



Department Organizational Chart



Wanna Be a Firefighter?

Butte County Volunteers

Volunteerism is in our roots as a nation. Today a vast majority, over one million, of the firefighters in the United States serve as volunteers. It is estimated that more than 25,000 fire departments are staffed with volunteers or a combination of volunteer and career firefighters.

In 1931, the Butte County Board of Supervisors contracted with CAL FIRE. This contract was a major step toward integrating independent Volunteer Fire Companies and career fire companies to work within a single fire department framework in Butte County. This cooperative fire protection system includes the important augmentation by community based volunteer fire companies, as well as the inclusion of the Cities of Biggs and Gridley Fire Departments within Butte County under additional CAL FIRE contracts.

Together, they have developed an effective all-risk, full-service fire protection organization with a mission to protect the lives and property of residents/property owners and to protect local natural resources (environment) from fire and other disasters.

In 2018 there were 177 volunteer firefighters throughout Butte County.

Current Volunteer Companies

Company 12 (Stirling City)
Company 21 (Cohasset)
Company 10/24 (Butte Meadows/Forest Ranch)
Company 25 (Butte Valley)
Company 26 (Butte Creek Canyon)
Company 33 (Upper Ridge)
Company 37 (Yankee Hill)
Company 42 (Chico Metro)

Company 45 (Durham)
Company 52 (Feather Falls)
Company 55 (Bangor)
Company 61 (Berry Creek)
Company 64 (Kelly Ridge)
Company 67 (Cherokee)
Company 71 (Richvale)
Company 74 (Gridley)
Company 81 (Paradise)



**Butte County Fire Department
needs everyday heroes to become
volunteer first responders and
firefighters in your community**

www.joinbcfd.org

DID YOU KNOW?

- Butte County Fire is a combination career and volunteer fire department
- Volunteers comprise 73% of firefighters in the United States
- Of the total estimated 1,078,300 firefighters across the country, 784,700 are volunteers
- Services contributed by Volunteer Firefighters save localities across the country an estimated \$36.8 billion per year according to the National Association of Foresters



Butte Fire Center



Fuel Reduction/Work Project Hours

24,700

Fire Hours

BFC 1: 1669.5

BFC 2: 1753.75

BFC 3: 1659.25

Total: 5082.5

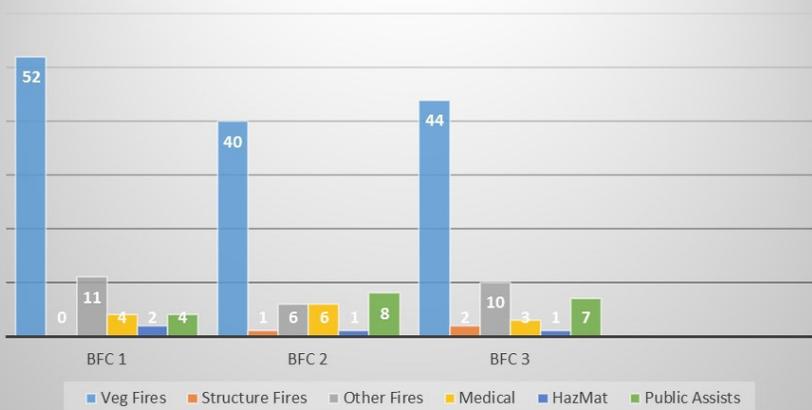


Fire Crew Training

- 5 Academies were conducted (10 weeks)
- 81 Fire Crew Members entered the course
- 77% or 62 Fire Crew Members completed the training



Number of Incidents (BFC Total 202)



Emergency Command Center

2018 ECC Stats	
Call Type	Total #
Fire Wildland	223
Admin Phone Calls taken	31,096
911 Phone Calls	23,107
Incident Management Team Activations	1
Coordinated Medical Helicopter Flights	612
Total Events Created in CAD	22,808
Total Incidents	18,662

Chico Air Attack Base

Flight hours:

Air Attack 210 - 202 hours

Tanker 93 - 166 hours

Tanker 133 - 159 hours

Total flight hours (State and Federal):
527 hours

Retardant delivery:

Total retardant pumped: 1.3 Million gallons

20-year average: 542,132 gallons

Total retardant costs: \$3.43 million
Cost per gallon: \$2.60

Haz Mat Response

	17
Illegal chemical dumps (non drug waste)	3
Fuel spill/leak	6
Drug lab waste sites	2
Oils/Pesticides/ or other liquid	5
Other/unclassified Industrial release	7

Technical Rescue

Rope Rescue	5
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Water Rescue

	14
Static Water	8
Dynamic Water	6

Training & Safety Bureau 2018

Classes Delivered	79
Training Hours	29,152
CAL FIRE Classes	
Emergency Incident Awareness	2
S-236 Heavy Equipment Boss	1
S-212 Wildland Fire Chain Saws	5
Butte County Fire Classes	
CISM Peer Support	1
Multi-Company Drills	11
Union Pacific Railcar Emergencies	3
Butane Honey Oil Lab	1
State Fire Training Classes	
Vehicle Extrication 1	1
Vehicle Extrication 2	1
LARRO	1
Rope Rescue Technician	1
Rescue Systems 1	1
Instructor 1	1

Academies	
Firefighter I (5 days)	3
Emergency Medical Services	
CPR	9
EMT Continuing Education classes	5
King Airway	1
Public Safety First Aid	1
Public Safety First Aid (recert)	3
EMT Recertification	5
Volunteer Firefighter Classes	
Water Tender Operations	1
Emergency Vehicle Operations	1
Haz Mat First Responder Operations	1
Incident Management	1
Pump Operations	1
Emergency Incident Awareness	1
Volunteer Academy (200 hours)	1
Type 6 Engine Operations	1

Respiratory Protection Fit Testing	Personnel Hours
457 personnel	230 hours
Ladder Testing	
190 ladders	144 hours

Joint Apprenticeship Committee	
JAC Employees	58
JAC Tests	3
JAC training hours	6,457

Fire Prevention Bureau

Law Enforcement	Count
Arson Arrests	2
Arrests for Other Crimes	3
Citations Issued	32
Warrants Authorized	3
Vehicles Stored/Impounded	0
Assists to other LE Agency	6
Detail Investigations	119
Criminal Subpoenas Received	88

Defensible Space Inspections/Weed Abatement Enforcement

Defensible Space Inspections	Count
Fire Station	4372
Forestry Aids	4041
4291 Violations (both)	1040
LE 38 Hazard Inspections	76

Public Education/Information

Education	Count
Education Programs	937
Residents Reached	100,000
Media Releases/Fact Sheets	58
Volunteers in Prevention	28
Social Media Postings	962

Call Center Activations	Days	Calls
Stoney Fire	1	40
Simmons Fire	1	90
Camp Fire	18	23,000

Fire Marshal and Fire Protection Planning

Reviews & Inspections	Count
Parade/Festival Permits	15
Lot Line Determinations	2
Lot Line Adjustments	11
Land Conservation Agreements	11
Parcel Merger	4
Mining Permits	2
Map Extensions	2
General Plan Amendments	3

Reviews & Inspections	Count
Pre Development Review	6
Tentative Parcel Maps	5
Tentative Subdivision Maps	4
Use Permits	3
Minor Use Permits	6
Commercial Building Permits	62
Pre-Construction Inspections	360
Final Inspections	121

Resource Management & Fuels Reduction Forest Practice Enforcement

Timber Harvest Plans (THP) Received	11
Exemptions Received	218
Open THPs	45
Active THPs	16
Active Nonindustrial Timber Management Plans (NTMP)	1
Completion Report Inspections	6
Stocking Report Inspections	6

Pre-Harvest Inspections	8
Active Inspections	16
Inactive Inspections	7
Post-harvest Inspections	18
Maintenance Inspections	4
Citation Case Reports Submitted	1
Notices of Violation Issued	26

Fuel Reduction Activities	Acres
Thinning	190
Chipping	24
Piling	87
Pile Burning	114
Broadcast Burning	396

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

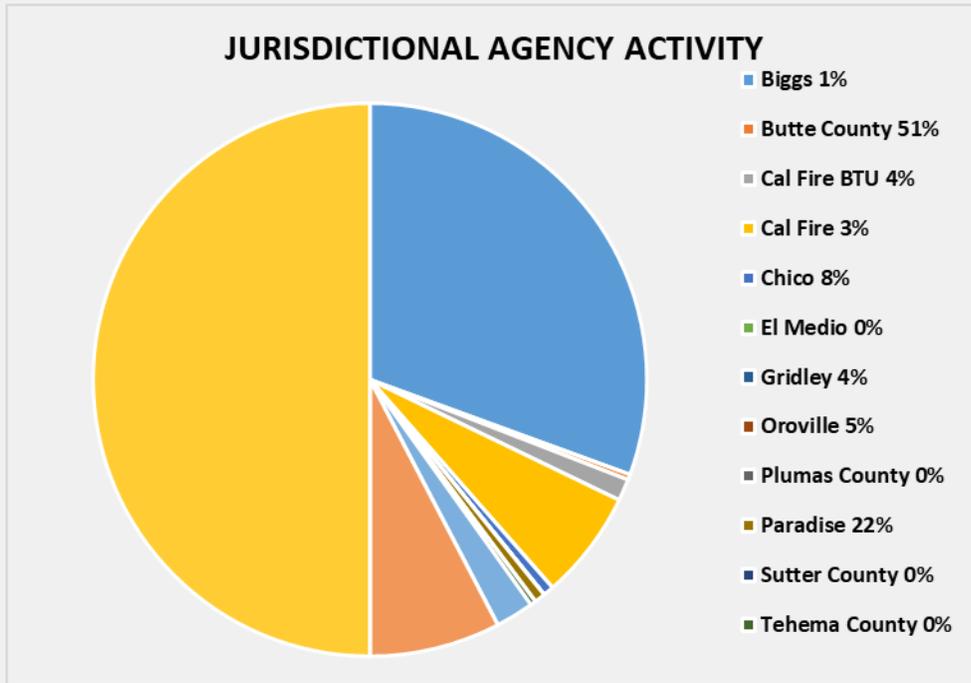
Incident Types

- 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)

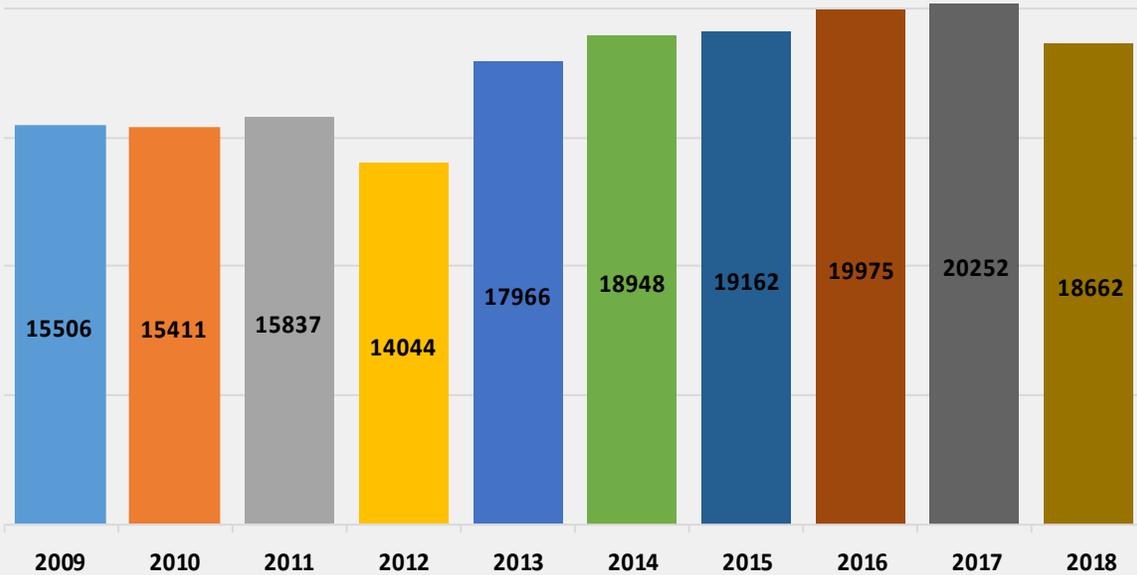
Stations

- 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

Emergency Response Statistics

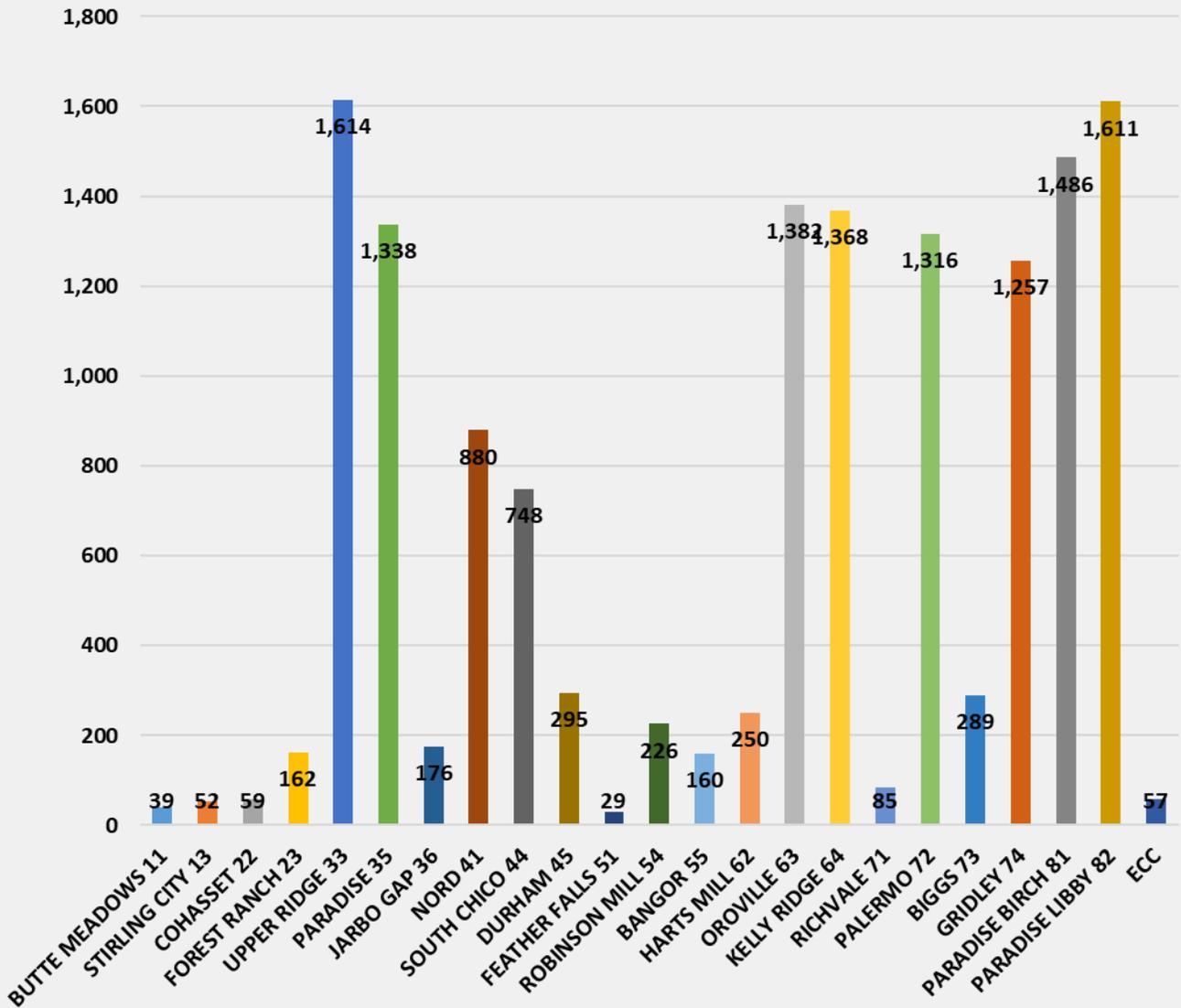


TEN YEAR INCIDENT COMPARISON (ALL INCIDENTS)



Emergency Response Statistics

ALL DISPATCHED AGENCIES FIRST DUE STATION ACTIVITY

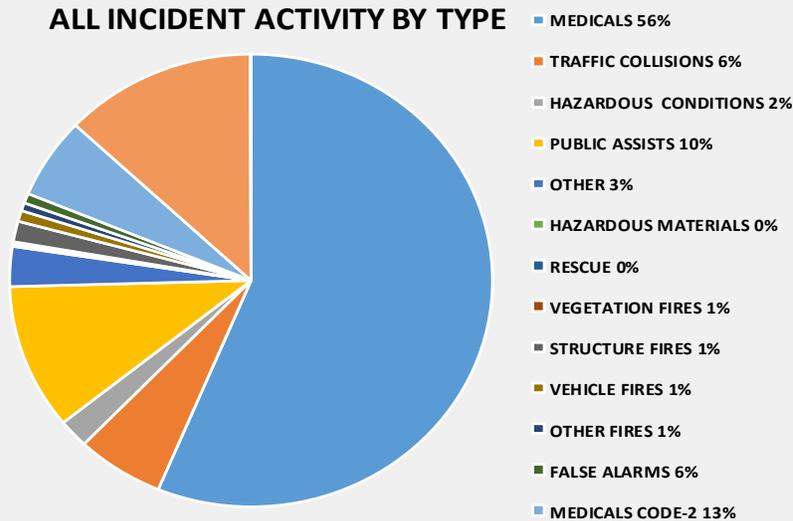


Appendix C: Emergency Response Statistics

JURISDICTIONAL AGENCY ACTIVITY 2018

AGENCY	MED	T/C	HAZ-	P/A	OTH	ECC	HAZ-	RES-	VEG	STR	VEH	OTH	F/A	MEDA	MEDF	Total
CABIG	96	1	4	20	2	0	0	0	0	2	0	1	7	24	0	157
CABTC	5,486	713	197	996	208	10	10	16	86	88	68	55	357	1,234	1	9,525
CABTU	1	1	1	1	192	37	0	0	132	3	10	31	300	0	4	713
CACDF	8	10	1	2	1	0	0	1	4	2	0	0	0	0	602	631
CACHI	983	173	42	63	26	2	1	0	29	78	14	20	141	2	0	1,574
CAEMD	10	2	0	0	1	1	0	0	9	12	1	1	3	0	0	40
CAGRD	529	18	25	63	10	1	0	0	9	8	2	10	37	119	0	831
CAORO	656	29	12	60	23	18	0	1	36	40	4	5	44	13	3	944
CAPNF	0	0	0	0	0	0	0	0	6	0	0	0	4	0	0	10
CAPRA	2,487	167	94	518	62	0	1	1	14	23	7	16	187	582	0	4,159
CASTC	16	20	0	2	0	12	0	0	0	16	1	0	3	0	0	70
CATCR	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	6
CAXPU	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Total	10,276	1,136	376	1,725	526	81	12	19	325	272	107	139	1,083	1,974	611	18,662

ALL INCIDENT ACTIVITY BY TYPE



Emergency Response Statistics

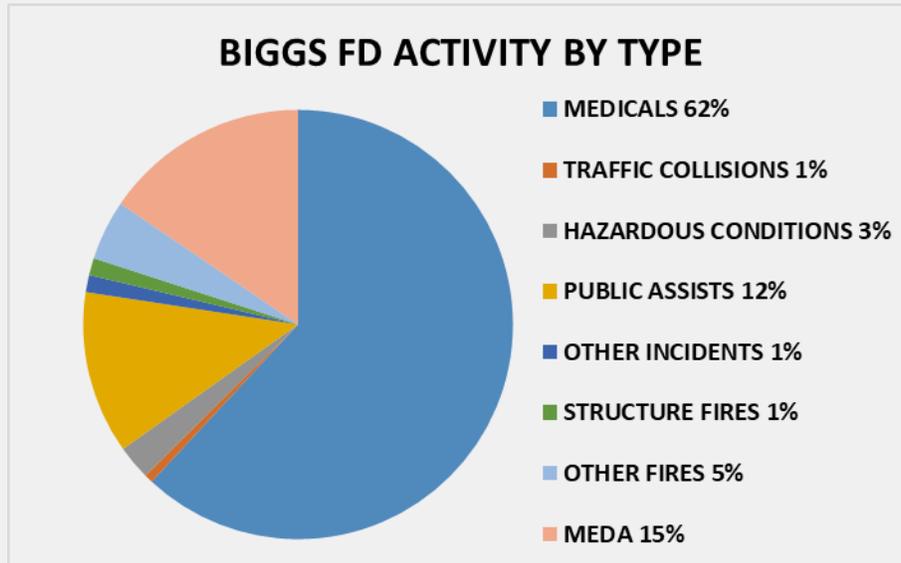
ALL DISPATCHED AGENCIES FIRST DUE STATION ACTIVITY BY TYPE

STATION	MED	T/C	HAZ CON	P/A	OTH	ECC	HAZ- MAT	RES- CUE	VEG	STR	VEH	OTH FIRE	F/A	MEDA	MED FSS	Total
BUTTE MEADOWS 11	14	13	0	1	2	0	0	0	3	1	0	0	3	2	0	39
STIRLING CITY 13	25	5	2	2	4	0	1	0	4	2	1	0	0	6	0	52
COHASSET 22	28	1	5	5	5	0	0	0	5	1	0	1	4	4	0	59
FOREST RANCH 23	72	16	4	13	10	0	0	0	6	1	0	2	17	21	0	162
UPPER RIDGE 33	891	55	40	244	29	0	1	1	13	14	5	4	96	221	0	1,614
PARADISE 35	801	46	27	176	23	0	0	0	7	9	4	4	47	194	0	1,338
JARBO GAP 36	74	12	3	8	14	0	0	1	9	2	5	3	29	16	0	176
NORD 41	483	72	17	64	29	0	2	1	13	12	8	9	80	90	0	880
SOUTH CHICO 44	388	83	26	72	24	0	1	1	8	6	9	10	65	55	0	748
DURHAM 45	168	25	7	33	11	0	0	0	5	3	2	2	11	28	0	295
FEATHER FALLS 51	17	1	0	0	3	0	0	0	2	0	0	0	1	5	0	29
ROBINSON MILL 54	118	14	1	24	9	0	1	0	7	1	2	1	21	27	0	226
BANGOR 55	76	15	3	14	9	0	1	0	3	3	3	2	13	18	0	160
HARTS MILL 62	126	18	5	18	14	0	0	0	5	3	2	4	28	27	0	250
OROVILLE 63	854	61	11	65	54	1	1	1	18	8	12	12	55	229	0	1,382
KELLY RIDGE 64	738	63	24	180	52	0	0	2	26	11	11	5	68	188	0	1,368
RICHVALE 71	38	18	4	2	2	0	0	1	6	1	1	0	6	6	0	85
PALERMO 72	828	57	15	120	27	0	2	0	26	10	6	15	58	152	0	1,316
BIGGS 73	139	37	8	28	8	0	0	2	4	3	4	2	19	35	0	289
GRIDLEY 74	734	71	31	86	32	0	0	1	30	12	6	16	61	177	0	1,257
PARADISE BIRCH 81	868	95	40	166	20	0	0	1	8	8	4	7	89	180	0	1,486
PARADISE LIBBY 82	935	59	32	238	18	0	1	2	3	5	2	6	66	244	0	1,611
ECC	1	1	0	3	15	23	0	0	0	0	0	1	5	0	8	57
Total	8,534	890	309	1,573	432	24	11	15	223	118	87	106	875	1,956	9	15,162

Biggs and Gridley FD Emergency Response Statistics

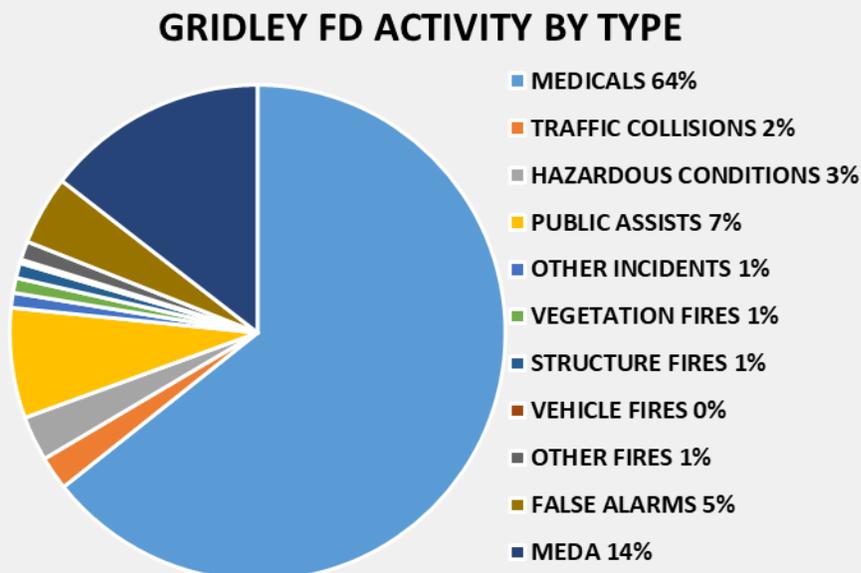
BIGGS FD INCIDENT ACTIVITY BY TYPE FOR 2018

STATION	MED	T/C	HAZ-CON	P/A	OTH	STR	OTH FIRE	MEDA	Total
73	96	1	4	19	2	2	7	24	155



GRIDLEY FD INCIDENT ACTIVITY BY TYPE FOR 2018

STATION	MED	T/C	HAZ-CON	P/A	OTH	VEG	STR	VEH	OTH FIRE	F/A	MEDA	Total
74	528	18	24	59	8	8	8	2	10	37	119	821



Paradise FD Emergency Response Statistics

PARADISE FD INCIDENT ACTIVITY BY TYPE FOR 2018

STATION	MED	T/C	HAZ-CON	P/A	OTH	HAZ-MAT	RESCUE	VEG	STR	VEH	OTH FIRE	F/A	MEDA	Total
35	767	46	26	160	22	0	0	7	9	2	4	47	191	1281
81	853	67	36	162	17	0	0	4	8	3	7	79	174	1410
82	862	53	30	192	17	1	1	3	5	2	5	61	217	1449
ECC	0	0	0	1	1	0	0	0	0	0	0	0	0	2
Total	2482	165	92	515	57	1	1	14	22	7	16	187	582	4141

PARADISE FD ACTIVITY BY TYPE

