

Chico Fire Department

Annual Report

2009



Fire Chief James Beery

TABLE OF CONTENTS

FROM THE CHIEF	
Memorandum	1
Facility Location Map	2
Mission / Goals.....	3
QUARTER COMPARISONS (First through Fourth Quarters, 2006).....	4
COMPANY RUNS AND EQUIPMENT USAGE	5
MONTHLY INCIDENT RESPONSE DATA (By Type / Station)	6
INCIDENT DETAIL BREAKDOWN	7-10
QUARTER COMPARISONS.....	11
Mutual Aid Response	
Automatic Aid Response	
MUTUAL AID RESPONSE (Provided / Received).....	12
AUTOMATIC AID RESPONSE (Provided / Received)	13
FIRE LOSS STATISTICS (By Property / Content).....	14
CIVILIAN INJURIES AND FATALITIES CAUSED BY FIRES.....	15
RESPONSE TIMES	15
EMERGENCY ACTIVITY STATISTICS (Annual Comparison)	16
PREVENTION & LIFE SAFETY STATISTICS	
Apartment & Regular Inspections	17
Uniform Fire Code Issued Permits & Public Relations	18
Fire Hydrant Permit / Notification & Investigations.....	19
TRAINING SUMMARY.....	20-21



CITY OF CHICO MEMORANDUM

TO: CITY COUNCIL
FROM: FIRE CHIEF JAMES BEERY
RE: 2008 ANNUAL REPORT

DATE: April, 2008
FILE: I.G.1.7.

Calendar year 2008 was a year of transition for the Chico Fire Department. Longtime Fire Chief Steve Brown retired from the City of Chico Fire Department after 13 years, and a total of 44 years in the fire service throughout the State. The department welcomed Fire Chief James Beery on July 21, 2008. Chief Beery arrived to Chico from the Portland Fire & Rescue Bureau in Oregon. The ongoing economic problems facing the City resulted in the loss of one firefighter on each shift. As a result, the department increased the staffing on Truck Company #1 from two to three firefighters each shift, and Truck Company #5 is now cross-staffed by the firefighters on Engine Company #5. The firefighter position that was eliminated from each shift is now used to fill vacancies that occur due to vacation, sick leave, etc.

Chico Fire Department personnel, equipment and apparatus were deployed throughout the State to numerous fires, including the largest fire emergency in Butte County history. The City of Chico received over \$1,000,000 dollars in reimbursement for deploying these resources to the fires.

All Chico Fire Department Emergency Medical Technicians (EMTs) were re-certified through California State Fire Training. All EMTs were also certified to use a CombiTube®, an advanced airway management device that improves patient survivability.

To meet a Federal mandate, all Chico Fire Department personnel were certified in National Incident Management System IS-800. The Fire Department facilitated the training of City Management personnel who staff the City of Chico Emergency Operations Center during an emergency.

The City of Chico 911 Safety Pals presented an internationally recognized fire and life safety education program to public and private elementary schools within the Chico city limits.

All cotton-jacketed fire hose was upgraded to synthetic, which is lighter, easier to use and requires less maintenance.

All firefighters received at least 240 hours of department training. This includes training on emergency medical services, hazardous materials response and mitigation, aircraft, structural and wildland firefighting, rescue, swift-water, etc.

ARFF (Aircraft Rescue Fire Fighter) Annual recertification was completed for fifteen fire fighters. This training is mandated by the FAA for all airports with commercial airline flights.

Emergency incidents continue to increase at a pace nearly double the population growth of the city. Emergencies increased nearly 6.5% from 2007 to 2008 across all response categories. Department members were again frequently requested to assist state and federal wildland firefighting agencies throughout California and the west.

All members of the Chico Fire Department hope that you will take fire prevention and life safety seriously and have a safe and prosperous year.

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**



**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

MISSION

Our Mission is to provide the highest quality fire, rescue and emergency services to the Chico Community in a caring and professional manner.

GOALS

1. To mitigate hazards and emergencies by rapidly responding to all requests for service with professional skills.
2. To provide public safety education and awareness and ensure Fire Code compliance.
3. To maintain or increase levels of service.
4. To provide employee development that enhances proficiency and professionalism.

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

QUARTER COMPARISONS

DESCRIPTION	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year End
Fire, Explosion					
Overpressure Rupture, Overheat					
Rescue, Emergency Medical Call					
Hazardous Condition, Standby					
Service Call					
Good Intent Call					
False Call					
Natural Disaster					
Other Type(s) of Situation(s) Found					
TOTAL					

Mutual Aid Received*					
Mutual Aid Response Provided*					
Automatic Aid Received**					
Automatic Aid Provided**					
Average Incidents Per Day					

- Mutual aid is requested when the jurisdictional agency has insufficient resources immediately available to handle a situation. Assistance is requested from neighboring fire departments. Mutual aid assistance may require multiple or specialized resources.
- ** Automatic aid is a pre-planned response that sends the closest fire engine to every call regardless of jurisdiction.

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

RUNS AND EQUIPMENT USAGE

		<u>Total for Year</u>	<u>Cummulative for Year</u>
STATION 1	Engine 1	2353	
	Engine 1R	307	
	Truck 1	719	
	Truck 1R.....	84	
	Haz Mat 1.....	25	
	Utility 1	9	
		3497	3497
STATION 2	Engine 2	3017	
	Engine 2R	375	
	Rescue 2	93	
	Utility 2	18	
		3503	7000
STATION 3	Engine 3	489	
	Engine 3R	31	
	Crash Rescue 3.....	10	
	Crash Rescue 3R.....	5	
	Utility 3	16	
		551	7551
STATION 4	Engine 4	1562	
	Engine 4R	66	
	Patrol 4.....	10	
	Foam 4	1	
		1639	9190
STATION 5	Engine 5	871	
	Engine 5R	35	
	Truck 5	463	
	Utility 5	9	
	Breathing Support 5	4	
		1382	10,572
STATION 6	Engine 6	1589	
	OES Engine 297.....	101	
	Utility 6	20	
		1710	12,282
OFFICERS	Chief 1	267	
	Chief 2	219	
	Chief 3.....	268	
	Chief 4.....	48	
		802	13,084
PREVENTION	Prevention 1	63	
	Prevention 2	73	
	Prevention 3.....	35	
		171	13,255
COMPANY 1	Volunteers	150	13,405

TOTAL ANNUAL RUNS:

<u>Station Apparatus Runs</u>	<u>Total Department Runs</u>
$12,282 \div 366 = 33.56$ <p style="text-align: center;">Annual runs days daily runs</p>	$13,405 \div 366 = 36.63$ <p style="text-align: center;">Annual runs days daily runs</p>
(includes all dispatched runs for all 6 Fire Stations and all fire equipment, Engines, Truck, Utility, Foam, Breathing Support and Crash Rescue responses).	(includes all Station Apparatus Runs and runs made by the Chief Officers, Fire Prevention Staff and Company 1 Volunteers).

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

MONTHLY INCIDENT REPORT DATA

BY TYPE:

SITUATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Fire, Explosion													
Rupture													
Medical													
Hazard													
Service Call													
Good Intent Call													
False Call													
Natural Disaster													
Other													
QTR Totals													

BY STATION:

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
1													
2													
3													
4													
5													
6													
Prevention													
DART													
Rescue													
DART/Rescue													
HazMat													
Other													
QTR Totals													

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

INCIDENT CATEGORY* SUMMARY		
Type of Situation Found	Category #	# of Incidents
Accident, potential accident, other	460	
Aircraft fire	135	
Aircraft standby	462	
Alarm system sounded due to malfunction	735	
Alarm system sounded, no fire - unintentional	745	
Animal problem	541	
Animal problem, other	540	
Animal rescue	542	
Arcing, short electrical equipment	445	
Assist invalid	554	
Assist police or other governmental agency	551	
Attempt to burn	481	
Attempted burning, illegal action, other	480	
Authorized controlled burning	631	
Barbecue, tar kettle	653	
Biological hazard investigation, none found	672	
Biological hazard, confirmed or suspected	451	
Bomb scare - no bomb	721	
Brush, or brush and grass mixture fire	142	
Building fire	111	
Building or structure weakened or collapsed	461	
Camper or recreational vehicle (RV) fire	137	
Carbon monoxide detector activation, no CO	746	
Carbon monoxide incident	424	
Central station, malicious false alarm	714	
Chemical hazard (no spill or leak)	421	
Chemical reaction rupture of process vessel	231	
Chemical spill or leak	422	
Chimney or flue fire, confined to chimney or flue	114	
Citizen complaint	911	
Construction or demolition landfill fire	153	
Cooking fire, confined to container	113	
Cover assignment, standby, moveup	571	
Cultivated orchard or vineyard fire	172	

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

INCIDENT CATEGORY* SUMMARY		
Cultivated vegetation, crop fire, other	170	
Type of Situation Found	Category #	# of Incidents
CO detector activation due to malfunction	736	
Defective elevator, no occupants	555	
Detector activation, no fire - unintentional	744	
Direct tie to FD, malicious/false alarm	712	
Dispatched & canceled en route	611	
Dumpster or other outside trash receptacle fire	154	
Electrical wiring/equipment problem, other	440	
Electrocution or potential electrocution	371	
Excessive heat, scorch burns with no ignition	251	
Explosion (no fire), other	240	
Explosive, bomb removal (for bomb scare, use 721)	471	
Extinguishing system activation due to malfunction	732	
Extrication of victim(s) from building/structure	351	
Extrication of victim(s) from machinery	357	
Extrication of victim(s) from vehicle	352	
Extrication, rescue, other	350	
EMS call, excluding vehicle accident injury	321	
EMS call, party transported by non-fire agency	661	
False Alarm or false call, other	700	
Fire in mobile home used as fixed residence	121	
Fire in mobile prop. used as fixed struc., other	120	
Fire in motor home, camper, recreational vehicle	122	
Fire, other	100	
Fires in structures other than in a building	112	
Fireworks explosion (no fire)	243	
Flammable gas or liquid condition, other	410	
Forest, woods or wildland fire	141	
Fuel burner/boiler malfunction, fire contained	116	
Garbage dump or sanitary landfill fire	152	
Gas leak (natural gas or LPG)	412	
Gasoline or other flammable liquid spill	411	
Good intent call, other	600	
Grass fire	143	
Hazardous condition, other	400	

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

INCIDENT CATEGORY* SUMMARY		
Hazmat release investigation with no hazmat	671	
Heat detector activation due to malfunction	734	
Type of Situation Found	Category #	# of Incidents
Heat from short circuit (wiring), defective/worn	441	
High angle rescue	356	
Incinerator overload or malfunction, fire confined	115	
Light ballast breakdown	443	
Lightning strike (no fire)	814	
Local alarm system, malicious false alarm	715	
Lock-in (if lock out, use 511)	331	
Lock-out	511	
Malicious, mischievous false call, other	710	
Medical assist, assist EMS crew	311	
Mobile property (vehicle) fire, other	130	
Motor vehicle/pedestrian accident (MV Ped)	323	
Municipal alarm system, malicious false alarm	711	
Natural vegetation fire, other	140	
Off-road vehicle or heavy equipment fire	138	
Oil or other combustible liquid spill	413	
Outside equipment fire	162	
Outside gas or vapor combustion explosion	163	
Outside mailbox fire	164	
Outside rubbish fire, other	150	
Outside rubbish, trash or waste fire	151	
Outside stationary compactor/compacted trash fire	155	
Outside storage fire	161	
Overheated motor	442	
Overpressure rupture from air or gas, other	220	
Overpressure rupture from steam, other	210	
Overpressure rupture of air or gas pipe/pipeline	221	
Overpressure repture, explosion, overheat other	200	
Passenger vehicle fire	131	
Person in distress, other	510	
Police matter	552	
Power line down	444	
Prescribed burn	632	

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

INCIDENT CATEGORY* SUMMARY		
Public Service	553	
Public service assistance, other	550	
Refrigeration leak	423	
Type of Situation Found	Category #	# of Incidents
Removal of victim(s) from stalled elevator	353	
Rescue or EMS standby	381	
Rescue, emergency medical call (EMS) call, other	300	
Ring or jewelry removal	512	
Road freight or transport vehicle fire	132	
Search for person on water	342	
Search for person on land	341	
Search, other	340	
Service call, other	500	
Severe weather or natural disaster, other	800	
Smoke detector activation due to malfunction	733	
Smoke detector activation, no fire - unintentional	743	
Smoke or odor removal	531	
Smoke scare, odor of smoke	651	
Special outside fire, other	160	
Special type of incident, other	900	
Sprinkler activation due to malfunction	731	
Sprinkler activation, no fire - unintentional	741	
Steam, other gas mistaken for smoke, other	650	
Steam, vapor, fog, or dust thought to be smoke	652	
Swift water rescue	363	
Swimming/recreational water areas rescue	361	
System malfunction, other	730	
Telephone, malicious false alarm	713	
Threat to burn	482	
Toxic condition, other	420	
Trapped by power lines	372	
Trash or rubbish fire, contained	118	
Trench/below grade rescue	354	
Unauthorized burning	561	
Unintentional transmission of alarm, other	740	
Vehicle accident with injuries	322	

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

INCIDENT CATEGORY* SUMMARY		
Vehicle accident, general cleanup	463	
Vicinity alarm (incident in other location)	641	
Water evacuation	521	
Water or steam leak	522	
Type of Situation Found	Category #	# of Incidents
Water problem, other	520	
Water vehicle fire	134	
Wind storm	813	
Wrong location	621	
No incident found on arrival	622	
Motor vehicle accident with no injuries	324	
TOTAL INCIDENTS BY SITUATION FOUND	---	

* Categories derived from National Fire Incident Reporting System (NFIRS) which is required by Statute for all fire departments in California.

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

MUTUAL AID RESPONSE:

MONTH	PROVIDED	QTR		RECEIVED	QTR
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

TOTAL

=====

=====

AUTOMATIC AID RESPONSE:

MONTH	PROVIDED	QTR		RECEIVED	QTR
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

TOTAL

=====

=====

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

MUTUAL AID RESPONSE

PROVIDED:

RESPONSE BY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Station 1													
Station 2													
Station 3													
Station 4													
Station 5													
Station 6													
Arson Task Force													
DART													
Rescue													
DART/Rescue*													
HazMat**													
Other													
QTR Totals													

RECEIVED:

RESPONSE BY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Station 1													
Station 2													
Station 3													
Station 4													
Station 5													
Station 6													
Arson Task Force													
DART													
Rescue													
DART/Rescue*													
HazMat**													
Other													
QTR Totals													

* DART = Drowning Accident Rescue Team

** HazMat = Hazardous Materials Response Team

0 represents 2007 reporting aberration

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

AUTOMATIC AID RESPONSE

PROVIDED:

RESPONSE BY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Station 1													
Station 2													
Station 3													
Station 4													
Station 5													
Station 6													
Prevention													
DART													
Rescue													
DART/Rescue													
HazMat													
Other													
QTR Totals													

RECEIVED:

RESPONSE BY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Station 1													
Station 2													
Station 3													
Station 4													
Station 5													
Station 6													
Prevention													
DART													
Rescue													
DART/Rescue													
HazMat													
Other													
QTR Totals													

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

FIRE LOSS STATISTICS

BY PROPERTY / CONTENT:

MONTH	PROPERTY LOSS	CONTENT LOSS	TOTAL DOLLAR LOSS	QTR TOTAL
JAN				
FEB				
MAR				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				
TOTAL				

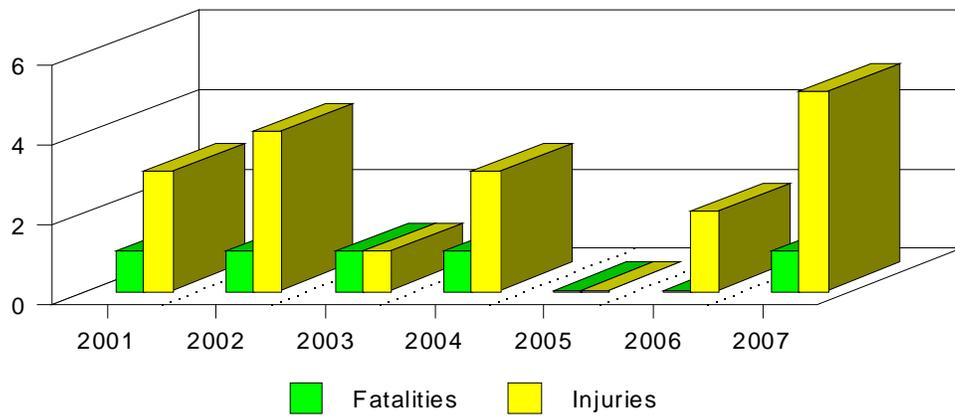
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
ESTIMATED FIRE LOSS	\$870,960	\$1,035,148	\$769,152	\$1,656,505	\$1,157,800	\$871,881	\$2,055,400	\$2,341,296	\$2,481,366	

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

CIVILIAN INJURIES AND FATALITIES CAUSED BY FIRES

	2003	2004	2005	2006	2007	2008	2009
INJURIES	1	1	0	2	5	1	
FATALITIES	1	1	0	1	1	1	

INJURIES AND FATALITIES CAUSED BY FIRE
2001-2007



**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

RESPONSE TIMES

The National Fire Protection Association (NFPA) and the Insurance Services Office (ISO) recommend a response time standard of 30 seconds to dispatch the call, 60 seconds get away time, and 4 minutes driving time from the fire station to the emergency for a total response time of not more than 5 minutes and 30 seconds. This covers the time from receipt of call until the first response unit arrives at the emergency. They recommend that this standard be met at least 90% of the time. This applies specifically to structure fires. The City General Plan calls for an average response time of 4 minutes throughout the city.

2008 Averages

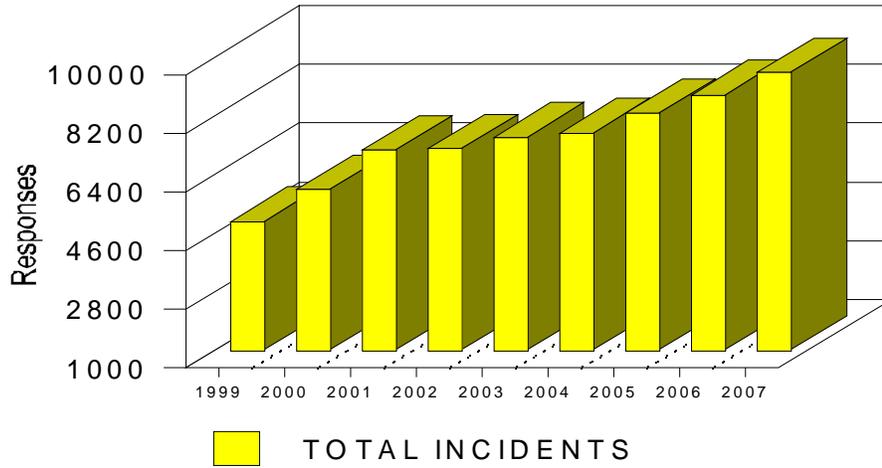
Receipt of Call to Dispatch	0:22
Dispatch to Emergency Scene	4:15
Total Call Receipt to Emergency Scene	4:37

**EMERGENCY ACTIVITY STATISTICS
ANNUAL COMPARISON**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Fires, Explosion	413	476	515	536	430	410	439	472	424	
Overpressure Rupture, Explosion, Overheat	25	31	41	43	41	43	61	30	64	
Rescue, Emergency Medical Call	3,668	4,265	4,242	4,707	4,874	5,744	6,100	6,688	7,227	
Hazardous Condition	301	456	522	403	451	419	406	473	494	
Service Call	505	700	703	565	645	571	759	747	856	
Good Intent Call	717	737	714	861	795	668	720	702	639	
False Alarm	273	338	344	393	398	407	356	375	419	
Natural Disaster	1	3	2	1	0	1	0	0	16	
Other	25	27	28	30	25	31	13	55	21	
Undetermined	16	117	94	18	25	0	0	0	0	
MUTUAL AID RECEIVED	133	33	22	35	25	11	18	12	23	
TOTAL INCIDENTS	5,944	7,150	7,205	7,557	7,684	8,294	8,854	9,542	10,160	
INCIDENTS PER DAY	16.28	19.6	19.7	20.7	21.1	22.7	24.3	26.1	27.8	

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

**TOTAL EMERGENCY INCIDENTS
1999-2007**



**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

PREVENTION & LIFE SAFETY STATISTICS

APARTMENT INSPECTIONS:

Station	Shift	Sites	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	Total	Re-Inspect
1	A	17						
	B	18						
	C	16						
2	A	22						
	B	21						
	C	21						
3	A	15						
	B	14						
	C	11						
4	A	10						
	B	14						
	C	14						
5	A	16						
	B	17						
	C	16						
6	A	17						
	B	20						
	C	20						
TOTALS								

UNIFORM FIRE CODE INSPECTIONS:

	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	Total
Permitted Inspections					
Permitted Re-Inspections					
New Construction Inspections					
Non-Permitted Inspections					
Schools					
School Re-Inspections					
Citizen Complaints Handled					
TOTAL					

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

PREVENTION & LIFE SAFETY STATISTICS

UNIFORM FIRE CODE ISSUED PERMITS:	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	Total
Aircraft Refueling Vehicles (ARV)					
Compressed Gas (CG)					
Dry Cleaning Facility (DCF)					
Explosives/Blasting Agents (EBA)					
Fires (F)					
Flammable, Combustible Liquids/Tanks (FCL)					
High-Piled Combustible Storage (HCS)					
Liquified Petroleum Gas (LPG)					
Lumber Yard (LY)					
Mall, Covered (MC)					
Motor Vehicle Fuel Dispensing Sta.(MVF)					
Organic Coatings (OC)					
Place of Assembly (PA)					
Repair Garage (RG)					
Spraying & Dipping (SD)					
Tent/Air-Supported Structure (TS)					
Waste Material Processing Plant (WMP)					
Other					

PUBLIC FIRE SAFETY / EDUCATION:

Classification	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	TOTAL
Station Tour					
Fire Safety Demo/Class					
Fire Safe House					
School Program					
Media					
Total					

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**

PREVENTION & LIFE SAFETY STATISTICS

FIRE HYDRANT PERMITS:

Classification	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Permits Issued
30-Day, One hydrant only (\$42.00/each)					
Annual Permit (\$87.00/each)					
No Fee Permit					
TOTAL					

FIRE HYDRANT NOTIFICATION:

California Water Service	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	2009 Total
Routine Notified Shutdown					
Emergency Shutdown					
New Hydrant					
TOTAL					

FIRE INVESTIGATIONS:

Month	Total Conducted	Quarter Totals
JAN		
FEB		
MAR		
APR		
MAY		
JUN		
JUL		
AUG		
SEP		
OCT		
NOV		
DEC		

TOTALS

**CITY OF CHICO
FIRE DEPARTMENT
2009 ANNUAL REPORT**
