
CHAPTER 8- FIRE PROTECTION SERVICES

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8. FIRE PROTECTION ORGANIZATIONS

8.1. FEDERAL, STATE, AND LOCAL FIRE AGENCIES

Pine Grove Planning Unit is served by two local government fire departments:

- Amador Fire Protection District
- Lockwood Fire Protection District

This area is also served by the California Department of Forestry and Fire Protection, Amador Eldorado Unit, (CAL FIRE).

8.2. MUTUAL AID

All fire agencies within the county participate in local mutual aid. Local mutual aid means that a fire department can request the services of another fire department based upon predetermined agreements to provide such services. The California State Mutual system exists to provide mutual aid resources from throughout the state for large or multiple-fire scenarios and for other emergencies, such as floods and earthquakes.

CAL FIRE and the USFS US Forest Service operate a joint station at Dew Drop. CAL FIRE and the US Forest Service resources are dispatched by the Interagency Dispatch Center located at the CAL FIRE unit headquarters at Camino in El Dorado County. This center dispatches also all local fire agencies in Amador County.

CAL FIRE and the Eldorado National Forest respond to wildfires on the closest resource concept regardless of agency responsibilities. This approach provides the best chance of suppressing wildfires before they become large or do significant damage. Local government fire agencies are dispatched in the same manner to wildfires.

CAL FIRE provides direct fire protection services to all Bureau of Land Management holdings within the county under a statewide agreement with the Bureau of land Management.

8.3. WILDFIRE PROTECTION RESPONSIBILITIES

Plate 17 shows local response area (LRA), State (SRA), and Federal Response Areas (FRA). CAL FIRE is primarily responsible for wildlands in the SRA. The Eldorado National Forest is responsible for wildlands in the FRA. All of the Pine Grove Planning Unit is within CAL FIRE's jurisdiction.

8.4. LOCAL FIRE AGENCIES

8.4.1 AMADOR FIRE PROTECTION DISTRICT

Amador Fire Protection District (AFPD) provides emergency fire, rescue, and medical aid services to approximately 85% of the unincorporated area of the county. AFPD provides service to Amador Pines,

Pioneer, Pine Grove, Volcano, Martell, Drytown, Willow Springs, Fiddletown, River Pines, and the City of Plymouth.

The Amador Fire Protection District provides first-response fire and medical service to approximately 3610 residents and 2478 homes in their 26-square-mile response area in the Planning Unit.

Sixty-five local residents currently volunteer with Amador Fire Protection District as “active” firefighters. Within the Planning Unit, there are three paid personnel. The Amador Fire Protection District has identified a need for more volunteers. The District is funded primarily through a parcel fee and sales tax, totaling approximately \$2,000,000 annually. The District has three fire stations located in or near the Pine Grove Planning Unit as shown in the following table.

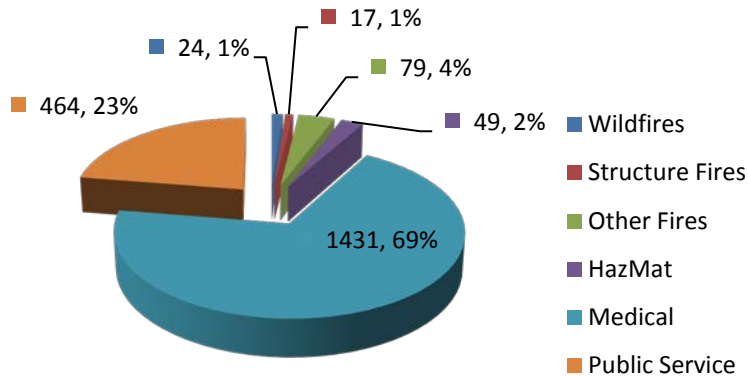
The following table shows the extent of equipment resources currently available to Amador Fire Protection District. These do not represent all resources available from the District or other departments. It lists what is available for first response.

FIGURE 1 - AMADOR FIRE PROTECTION DISTRICT STATIONS AND EQUIPMENT RESOURCES¹

Amador Fire Protection District Resources			
Station Location	Contact Title	Phone	
Mace Meadows on Meadow Drive across from Mace Meadow Golf Course	Chief AFPDDHQ@co.amador.ca.us	(209)-223-6391	
Pine Grove at Irishtown Road and Highway 88			
Van De Hei Road and Highway 88			
Mace Meadow (Station 111) Resources			
Structure Engine	Wildland Engine	Water Tenders	Miscellaneous
None	One ICS ^{II} Type 2		One Squad
Pine Grove (Station 114) Resources			
Structure Engine	Wildland Engine	Water Tenders	Miscellaneous
One ICS Type 1	One ICS Type 3, one ICS Type 4 engine		One Squads
Van de Hei (Station 112) Resources			
Structure Engine	Wildland Engine	Water Tenders	Miscellaneous
None	One ICS Type 3, One ICS Type 4		Two squads

The amount of time it takes first responders to arrive at a scene usually has a big impact on their ability to save a structure from fire or a person with a medical emergency. Within the Pine Grove planning Unit, AFPD can respond to incidents in the entire area within fifteen minutes. In 2011, AFPD responded to 2,064 incidents. The following chart summarizes the type and frequency of incidents.

FIGURE 2 - AMADOR FIRE PROTECTION DISTRICT NUMBER OF INCIDENTS BY TYPE OF INCIDENT



In addition to providing service within the Pine Grove Planning Unit, Amador Fire Protection District personnel and equipment will respond outside their boundaries to incidents where they have mutual aid agreements with other local departments, as well as to request from the wildland fire agencies.

Constructing a new fire station with living quarters in Pine Grove has been identified as a priority need for Amador Fire Protection District.

8.4.2. LOCKWOOD FIRE PROTECTION DISTRICT

Lockwood Fire Protection District (LAFPD) provides emergency fire, rescue, and medical aid services to approximately 1703 residents and 1000 homes unincorporated area of the county.

Sixteen local residents currently volunteer with Lockwood Fire Protection District as “active” firefighters. Lockwood has no paid personnel. The District has identified a need for more volunteers. The District is funded primarily through a parcel fee and sales tax totaling approximately \$110,000 annually. The District has two fire stations located in or near the Pine Grove Planning Unit as shown in the following table.

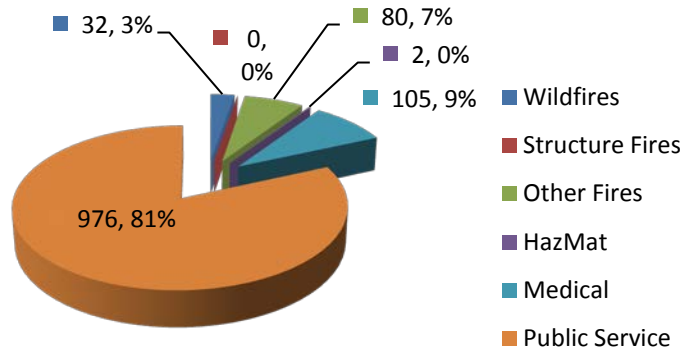
The following table shows the extent of equipment resources currently available to Lockwood Fire Protection District in or near the Planning Unit. These represent all resources available in the District for first response.

FIGURE 3 - LOCKWOOD FIRE PROTECTION DISTRICT STATIONS AND EQUIPMENT RESOURCESⁱⁱⁱ

Lockwood Protection District Resources		
Station Location	Contact Title , email	Phone
Shake Ridge Road (Station 151)	Chief Dave Long sunmtnroofing@aol.com	209-296-6445
Shake Ridge Road and Hale Road (Station 152)		
Shake Ridge Station 151 Resources		

Structure Engine	Wildland Engine	Water Tenders	Miscellaneous
One ICS Type 1 Engine	Two ICS Type 3	One Water Tender	One Squad, One Utility
Shake Ridge and Hale Road (Station 152) Resources			
Structure Engine	Wildland Engine	Water Tenders	Miscellaneous
None	One ICS Type 3	One Water Tender	One Squad

FIGURE 4 - LOCKWOOD FPD'S NUMBER OF INCIDENTS BY TYPE OF INCIDENT



In addition to providing service within the Pine Grove Planning Unit, Lockwood Fire Protection District personnel and equipment will respond outside their boundaries to incidents where they have mutual aid agreements with other local departments, as well as to request from the wildland fire agencies.

Lockwood Fire Protection District has identified the following priority needs.

1. Replace (or expand and remodel) station 151 with new structure complete with meeting/training room and living quarters. Adequate living quarters are required before Lockwood can take advantage of paid staffing available from Measure M (local sales tax for fire protection)
2. Replacement of water tender at station 152
3. More volunteers or addition of paid personnel (see item 1)

8.5 CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION (CAL FIRE)

The California Department of Forestry and Fire Protection (CAL FIRE) provides wildland fire protection for private, industrial, county, state, and municipal forestlands. CAL FIRE provides wildland fire protection to approximately 320,000 residents in its 1618 square-mile service area in Amador, Sacramento, San Joaquin, and Eldorado counties.

All CAL FIRE staff is paid. CAL FIRE's Mt Zion Battalion (Battalion 13), which encompasses the entire planning unit, has 31 staff members including 4 Fire Captains, 4 Fire Apparatus Engineers, 21 firefighters, one relief

Battalion Chief, and one Battalion Chief. CAL FIRE is funded through the state. These staffing levels provide a four person staff on all engines and at least one Battalion chief every day during the fire season. CAL FIRE’s Amador Eldorado Unit headquarters is in Camino. There are two fire stations located within or near the Pine Grove Planning Unit, as shown in the following table.

The following table shows the extent of equipment resources currently available to CAL FIRE.

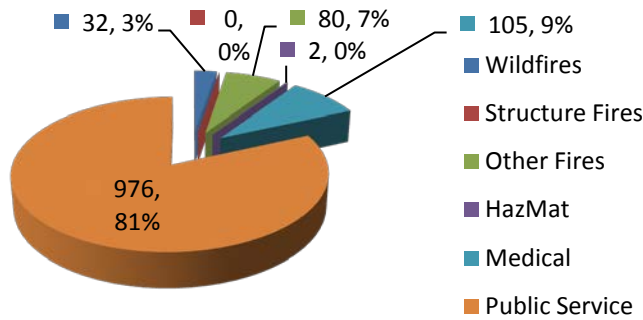
FIGURE 5 - CAL FIRE STATIONS AND EQUIPMENT RESOURCES

Amador Eldorado Unit, Battalion 13 Resources			
Station Location		Contact Title	Phone
Dew Drop Station on Highway 88 east of the intersection of Highway 88 and Shake Ridge Road		Duty Captain or Engineer	209-295-7735
Pine Grove Station next to CALTRANS in Pine Grove		Duty Captain or Engineer	209-2964435
Pine Grove Conservation Camp		Division Chief	209-296-7591
Dew Drop Station			
Structure Engine		Wildland Engine	Dozers
None	One ICS ^{iv} Type 3	None	None
Pine Grove Station Resources			
Structure Engine	Wildland Engine	Dozers	Miscellaneous
None	Two ICS Type 3	None	None
Structure Engine	Wildland Engine	Dozers	Miscellaneous
			Four 13 person hand crews

In terms of response times, within the Pine Grove Planning Unit, CAL FIRE can respond to approximately 100% of its service area within fifteen minutes. Seventy percent of CAL FIRE’s service area can be reached within ten minutes, 50% within five minutes, and 20% of their service area is within a three-minute response from one of the CAL FIRE stations or engines. This means that none of CAL FIRE’s service area is located more than fifteen minutes away.

At times, CAL FIRE does respond to more than just wildland fires. This is primarily when a structural fire threatens wildlands, and usually during fire season. The following table summarizes the type and frequency of incidents responded to by CAL FIRE in 2010. These numbers indicate the response statistics for Battalion 13.

FIGURE 6 - CAL FIRE NUMBER OF INCIDENTS BY TYPE OF INCIDENT



In addition to providing service within Pine Grove planning area, CAL FIRE responds outside the area to incidents all over the state. CAL FIRE has mutual aid agreements with all fire agencies within Amador County. They have a contract with Amador County to provide structure protection and emergency medical services.

8.6. FEDERAL FIRE AGENCIES

8.6.1. ELDORADO NATIONAL FOREST (USFS)

There are no National Forest lands within the Pine Grove Planning Unit. However, the Eldorado National Forest participates in mutual aid and has some of the closest resources to the Pine Grove area. For this reason, the national forest resources located in Amador County are included for information purposes.

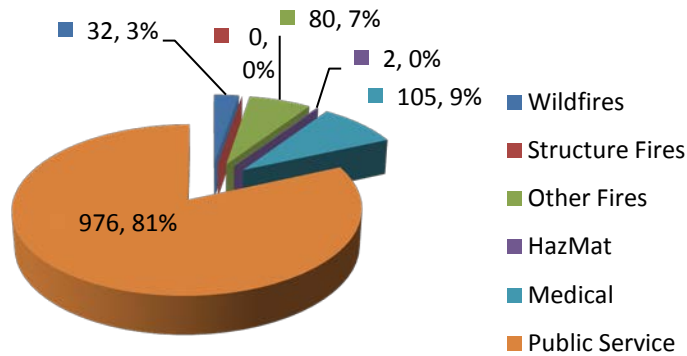
FIGURE 7 - AMADOR DISTRICT, ELDORADO NF USFS STATIONS, AND EQUIPMENT RESOURCES

Eldorado NF Resources			
Station Location	Contact Title	Phone	
Dew Drop Station on Highway 88 east of the intersection of Highway 88 and Shake Ridge Road	Duty Captain	209-295-5971	
Lumberyard	Duty Captain	209-295-5973	
Dew Drop Station			
Structure Engine	Wildland Engine	Dozers	Miscellaneous
None	One ICS ^v Type 3	none	none
Lumberyard			
Structure Engine	Wildland Engine	Dozers	Miscellaneous
none	One ICS ^{vi} Type 3	none	none

All lands in the Planning Unit are within the State Responsibility Area (SRA). However, the Eldorado NF engine at Dew Drop can reach the Pine Grove Planning Unit within 25 to 35 minutes.

The following table summarizes the type and frequency of incidents responded to by Amador District, Eldorado NF in 2011.

FIGURE 8 - AMADOR DISTRICT, ELDORADO NATIONAL FOREST USFS NUMBER OF INCIDENTS BY TYPE OF INCIDENT



The Eldorado NF has mutual aid agreements with other federal agencies, CAL FIRE, and Local fire departments (agreements, not true mutual aid). The Eldorado NF also is signatory to the statewide OES "California Fire Assistance Agreement" which has access to all resources that are in the "California Fire Service and Rescue Emergency Mutual Aid System"

ⁱ This table is adopted from Texas Forest Service, Texas A&M University, *A Guideline for Developing Community Wildfire Protection Plans*, tfsfrp.tamu.edu/training/cwpp/assets/pdf/CWPPTemplate.pdf.

ⁱⁱ ICS Types are based on the fire fighting capacity of the apparatus.

ⁱⁱⁱ This table is adopted from Texas Forest Service, Texas A&M University, *A Guideline for Developing Community Wildfire Protection Plans*, tfsfrp.tamu.edu/training/cwpp/assets/pdf/CWPPTemplate.pdf.

^{iv} ICS Types are based on the fire fighting capacity of the apparatus.

^v ICS Types are based on the fire fighting capacity of the apparatus.

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