

SDG&E PROJECT FIRE PLAN

Project Name: TL 637 Creelman to Santa Ysabel

Project Manager: Bradley Carter **Contract Administrator:** Mike Thomas & Terry Devore

CEQA CHECKLIST:

This Fire Plan is prepared based on criteria set forth in SDG&E Standard Practices 113.1 pursuant to California Forest Practice Rules; Public Resource Code Division 4; Chapter 6. The training, equipment, and practices set for in this plan exceed the PRC rules and meet all CPUC requirements.

PROJECT DESCRIPTION:

General location: Project begins at Santa Ysabel Substation and runs westerly to the Creelman Substation. The existing TL 637 is approximately 13.7 miles in length. The project lies within both Federal Responsibility Area (Cleveland National Forest) and State Responsibility Area (Cal Fire) jurisdiction. The TL is within the SDG&E Wildland Fire Threat Zone (FTZ), classified as very high to extreme fire danger.

Fire jurisdiction & land ownership:

Ownership within project:	Fire responsibility:	Miles or acres within project:
Federal	FRA – Cleveland National Forest & BLM	2.0 miles
Private	SRA – Cal Fire	11.7 miles

Provide a brief narrative of scope and intent of proposed project:

Fire hardening of TL637 will include replacing wood poles with steel poles (direct bury and micro pile), reconductor and the addition of fiber optic.

Provide a brief narrative of project timeframes; specifically address length of project and time of year in which it will be accomplished: Project construction is scheduled to begin in approximately early January 2014 and end approximately September 2014.

Describe all work activities that will be done in the SDG&E FTZ:

- Grading for road maintenance and pole foundations
- Drilling/Digging for pole replacement
- Pole removal and setting
- Micro-piles
- Operation of generators, compressors, chain saws or other internal combustion engines.
- Welding/cutting of steel/wood poles.
- Helicopter operations
- Environmental monitoring
- Re-conductoring

PROJECT FIRE RISKS:

The following are work activities associated with the project that present a fire risk; where they apply, to what extent they apply, and general time frame they are applicable:

<u>Operational Risk:</u>	<u>Location on Project:</u>	<u>Miles or Acres on Project:</u>	<u>Time of year and duration:</u>
Working on energized electrical equipment.	Located throughout the project area but specifically within the very high/extreme FTZ.	13.7	January thru Sept 2014
Off-pavement vehicle	Located throughout	13.7	January thru Sept 2014

operation within project area with flammable vegetation adjacent.	the project on Power Line access roads		
On roadway activities in particularly hazardous wildland vegetation areas.	Located throughout the project area but specifically within the very high/extreme FTZ.	13.7	January thru Sept 2014
Chain saw, generators, pumps, or other internal combustion engines of any kind.	Located throughout the project area but specifically within the very high/extreme FTZ.	13.7	January thru Sept 2014
Use of graders, or other equipment capable of rock to blade contact sparking ignition.	Located throughout the project on Power Line access roads	13.7	January thru Sept 2014
Other tree removal equipment; grinders, chippers, skidders, etc.	Located throughout the project area but specifically within the very high/extreme FTZ.	13.7	January thru Sept 2014
Grinding, cutting, or welding of equipment or construction material.	Located throughout the project area but specifically within the very high/extreme FTZ.	13.7	January thru Sept 2014
Blasting or other explosive work.	A specific blasting plan will be developed if blasting is required	13.7	None planned

PROJECT FIRE RISK MITIGATION MEASURES:

<u>Operational Risk:</u>	<u>Risk Mitigation Description:</u>
Working on energized electrical equipment.	When accessible by motor vehicle, have water tender (minimum 500 gallons w/pump and hose) available within 2 minutes of work site. For inaccessible areas or longer time delays stage personal firefighting equipment within 50' of work activity. Personal firefighting equipment shall include a minimum of three 5 gallon backpack pumps w/water and a shovel or Pulaski for each worker. Assign a "Fire Patrol". Consider the use of a stand-by fire crew on high fire danger days. Contact Contract Administrator for daily and predicted fire danger assessment.
Off-pavement vehicle operation within project area with flammable vegetation adjacent.	Do not park or idle over vegetated areas. If access must be made over these areas use "Fire Patrol" with fire equipment to follow vehicles and /or equipment on foot to rapidly extinguish possible starts. Water tenders can be deployed to reduce this risk as well and should be located within 2 minutes.
On highway activities in particularly hazardous wildland vegetation areas.	Do not park or idle immediately adjacent to wildland fuels. Use "Fire Patrol" to prevent ignition or immediately extinguish any fire start. Have water tender (minimum 500 gallons w/pump and hose) available within 2 minutes of work site.
Chain saw, generators, pumps, or other internal combustion engines of any	Assure equipment has approved spark arrestor. 5# BC Fire Extinguisher or 5 gallon backpack pump w/water and a shovel must be within 25' of any combustion engine. A "Fire Patrol" should be assigned to be a lookout and

kind.	immediately extinguish any fire start.
Use of graders, or other equipment capable of rock to blade contact sparking ignition.	Have water tender (minimum 500 gallons w/pump and hose) available within 2 minutes of work site. 5 gallon backpack pump w/water and a shovel must be within 50' of any equipment use. A "Fire Patrol" should be assigned to be a lookout and immediately extinguish any fire start.
Other tree removal equipment; grinders, chippers, skidders, etc.	Have water tender (minimum 500 gallons w/pump and hose) available within 2 minutes of work site. 5 gallon backpack pump w/water and a shovel must be within 50' of any equipment use. A "Fire Patrol" should be assigned to be a lookout and immediately extinguish any fire start.
Grinding, cutting, or welding of equipment or construction material.	Do not perform on very high to extreme fire danger days. Clear immediate area of all flammable vegetation to 10' diameter. Consider using non-flammable aprons/curtains. 5 gallon backpack pump w/water and a shovel must be within 50' of any equipment use. A "Fire Patrol" should be assigned to be a lookout and immediately extinguish any fire start. Check for fire weather watches and warnings; http://www.wrh.noaa.gov/sto/cafw/ . Call on duty Fire Coordinator for fire questions; (858) 503-5152 .
Blasting or other explosive work.	Requires blasting specific fire plan and permit from local jurisdiction.

STAGING AREAS AND MAJOR OPERATION WORK SITES:

List all staging areas and major operations work sites within project that are located in the SDG&E FTZ:

<u>Staging Area or Major Operations Work Site:</u>	<u>Hazard Reduction or Fire Risk Mitigation Description for each site:</u>
<ol style="list-style-type: none"> 1. Santa Ysabel sub 2. Tulloch woodlot 3. Littlepage Helo LZ 4. Warnock & Keyser rd 5. Creelman lane nursery 6. Mt. Gower LZ 	<p>All staging areas and major operations work sites will have sufficient hazard reduction so as to reduce the threat of ignition and spread of a wildland fire. Any work, as noted under Operational Risk, performed in these areas will follow the same mitigation measures. All parking shall be done in designated areas which are void of flammable vegetation. Smoking will only be permitted in designated areas and all butts and matches disposed of in approved reciprocals. Hazard reduction mowing in and around the staging area as well as a water tender should be used as necessary to reduce the fire danger.</p>

PROJECT ACTIVITY LEVEL (PAL)

Portions of the Project occurring on the Cleveland National Forest must abide by the CNF Fire Plan. That plan describes the PAL work restriction matrix and mitigation measures to employ while working on the forest and will supercede this plan in those locations. Prior to the next work day, the CNF will announce the PAL level for the following day. The PAL may impose certain work restrictions. It will be the responsibility of the CA to monitor and provide direction and instruction relative to each days PAL rating.

PROJECT SPECIFIC TOOLS & EQUIPMENT REQUIREMENTS:

No additional requirements are necessary beyond those found in ESP 113.1, the CNF Master Use Plan, and this fire plan. Other consideration should be given to a type 6 wildland engines and crew or equivalent (four wheel drive, water tank of at least 100 gallons, a pump capable of at least 100 psi, 100' of 1" fire hose and nozzle, and one type 2 firefighter) for fire standby on particularly hazardous fire danger days.

PROJECT SPECIFIC SCHEDULE RESTRICTIONS:

All work will cease during periods of declared Red Flag Warnings or other severe fire weather conditions as identified by company officials. Special exemption can be made after consultation with the Fire Coordinator for those activities that present greater risk if left unfinished. The Local Fire Department, Fire Coordinator, or Contract Administrator may restrict any/or all daily work activities due to fire danger or other hazardous conditions. Daily work scheduling should limit high risk work activities between the hours of 1:00 p.m. and 3:00 p.m. when possible.

FIRE SAFETY TRAINING/BRIEFINGS:

All workers shall receive basic wildland fire safety training prior to working on the project. This training shall include fire prevention, notification responsibilities, and suppression tools & methods. The training may be provided by either the contractor or SDG&E.

A pre-project fire briefing for all project personnel shall take place prior to project initiation. This document should be reviewed in its entirety. The On-duty Fire Coordinator should take part if available.

Each work day, in the formal tailboard safety session, a discussion should take place regarding the day's fire related risks and hazards as they are associated to the day's activities. Mitigation's should be discussed to eliminate or minimize those risk's. A "Fire Patrol" should be assigned and their day's responsibilities discussed with the group during the morning tailboard.

IN CASE OF FIRE OR OTHER EMERGENCY:

In the event of a fire or other emergency call **911**, providing location and type of emergency.

FIRE DEPARTMENT INSPECTION: *(Fire Coordinator to determine with initials)*

_____ Required ___ Recommended BM Not required

FIRE COORDINATOR REVIEW: *(Fire Coordinator to coordinate)*

___ Arrange for Fire Department inspection

HELICOPTER OPERATIONS SAFETY PLAN:

If the project requires the use of helicopters and involves landing or taking off in areas within or adjacent to wildland fuels and vegetation, special mitigations are required.

- Identification of all landing areas within the SDG&E FTZ.
- Assess the wildland hazard for each helicopter site and provide on the ground fire suppression equipment identified above within 50' of the aerial work area.
- Have a fueling safety plan available if refueling takes place on the project location.
- Identification of any special fire tool and/or equipment requirements for each landing site where applicable.
- Designate a "Helicopter Safety Officer" or manager responsible for compliance with the plan during all helicopter operations.

PLAN APPROVAL:

Prepared by:

Bill Molumby
Fire Coordinator

January 14, 2013
Date

Approved by:

Project Manager

Date

Attachment #1

Attached project map