

This appendix presents SCE’s Fire Prevention and Response Plan (FPRP) for the proposed Antelope Transmission Project – Segment 1. This FPRP applies primarily to portions of the proposed project (and alternatives) within the Angeles National Forest.

The risk of fire danger from the Project is related to smoking, refueling, and operating vehicles and other equipment off roadways. This plan establishes standards and practices that will minimize the risk of fire danger, and in case of fire, provide for immediate suppression and notification.

The U.S. Forest Service District Ranger is responsible for all fire activities in the Santa Clara/Mohave Rivers Ranger District.

The Contractor shall cooperate with the U.S. Forest Service District Ranger or his appointed representatives in eliminating hazardous fire conditions and shall implement fire prevention and suppression activities in accordance with the following requirements:

A. The Contractor shall:

1. Immediately report all fires or emergencies to the Forest Dispatcher at (661) 723-7619 or call “911”.
2. Prevent all project personnel from setting open fires.
3. Prevent the escape of fires caused directly or indirectly as a result of project operations and extinguish all said fires. Report all fire occurrences to the Forest Dispatcher at (661) 723-7619.
4. Through the Engineer, obtain a Burning Permit from the U.S. Forest Service for any burning, blasting, cutting, or welding work to be done and comply with its stipulations.

B. Training

The Contractor shall train all personnel about the measures to take in the event of a fire. The Contractor shall inform each crew member of fire dangers, locations of extinguishers and equipment, and individual responsibilities for fire prevention and suppression during safety briefings.

C. Spark Arresters

Except for motor trucks, truck tractors, buses and passenger vehicles, the Contractor shall equip all hydrocarbon-fueled engines, both stationary and mobile, including motorcycles with spark arresters that meet U.S. Forest Service standards as specified in the Forest Service Spark Arrester Guide and shall maintain said arresters in good operating condition. Spark arresters are not required by the State Department of Forestry or the U.S. Forest Service on

equipment powered by properly maintained exhaust-driven turbo-charged engines, or when equipped with scrubbers with properly maintained water levels.

D. Smoking and Fire Rules:

1. Smoking shall not be permitted except inside of passenger vehicles, in barren areas, or in areas cleared to mineral soil at least 3 feet in diameter.
2. Smoking shall be prohibited while operating light or heavy equipment, or while walking or working in grass, brush, or woodlands.
3. The Contractor shall provide “butt cans” half-filled with sand or water for extinguishment of smoking materials within permitted smoking areas.
4. All toilets shall have a metal receptacle, at least 6 inches in diameter by 8 inches deep, half-filled with sand for ashes and discarded smokes, and within easy reach of anyone utilizing the facility.
5. The Contractor shall post signs regarding smoking and fire rules in conspicuous places for all employees to see. The Contractor’s supervisory personnel shall require compliance with these rules.

E. Storage and Parking Areas

All equipment service areas, parking areas, and gas and oil storage areas shall be located so that there is no flammable material within a radius of at least 50 feet of said area. Small mobile or stationary engine sites shall be cleared of flammable material for a radius of at least 15 feet from such engine. Such areas shall be approved in writing by the District Ranger’s Representative (DRR).

Used and discarded oil filters, oily rags or waste, oils and other liquids shall be hauled away. Glass jugs or bottles shall not be used as containers for gasoline, oil or other flammable liquids except as water containers inside buildings or in cleared areas.

F. Gasoline Powered Tools

Forest service-approved spark arresters are required on all gasoline powered tools (e.g. chainsaws, soil augers, generators, compressors, etc.). A size “0” round-pointed shovel and/or a 2-pound or larger, fully-charged fire extinguisher (ABC Class) shall be carried with each gasoline powered tool while it is operating. Gasoline and oil shall be carried only in safety cans.

Tools shall be placed in areas cleared of flammable material, both during and after use, so that hot mufflers cannot contact said flammable material. Chainsaw mufflers shall be kept clear of sawdust, oil, and litter. After a saw is filled with fuel, it shall be moved ten (10) feet before starting.

#### G. Road Closures

The Contractor shall notify the Angeles National Forest (ANF) of the scheduled road closures prior to work, unless a convenient detour can be established on existing roads. All bypasses shall be clearly marked by the Contractor. During road closures, the Contractor shall designate one person, who knows the bypass to direct traffic. The Contractor shall minimize, to the extent possible, the duration of road closures.

#### H. Fire Guard (Fire Patrol)

The Contractor shall designate a Fire Guard on each construction crew prior to the start of construction activities each day. The Fire Guard must be physically able, vigilant, and suitably trained to detect fires and use required fire-fighting equipment. The Contractor shall furnish a fire patrol with a filled 5-gallon backpack pump to prevent, detect, and suppress any fires in the operational area. The Fire Guard shall be responsible for maintaining contact with fire control agencies, and shall be equipped with a radio or cellular telephone, so immediate contact with ANF can be made. If cellular telephone coverage is not available, the Fire Guard shall use the Contractor's frequency to contact their radio base, who will telephone ANF for emergency dispatch.

#### I. Fire Suppression Tools

The Contractor shall furnish each piece of equipment with the following:

1. One shovel, one axe, and one fully charged fire extinguisher UL rated at 4 B:C or more on each truck, personnel vehicle, tractor, grader, or other heavy equipment.
2. One shovel, one backpack 5-gallon water-filled tank with pump and/or one 5 pound fully-charged fire extinguisher (ABC Class) with each welder or cutting torch.
3. One shovel or one chemical pressurized fire extinguisher, fully-charged, for each gasoline powered tool, including but not limited to chain saws, soil augers, rock drills, etc. The required fire tools shall, at no time, be farther than 25 feet from the point of operation of said power tool. Fire extinguishers shall be of the type and size required by the California Public Resource Code Section 4431 and the California Administrative Code, Title 14, Section 1234.

4. All shovels shall be size “0” or larger and shall not be less than 46 inches in length.
5. Axes shall have 2-1/2 pound or larger heads and not be less than 28 inches overall in length.

#### J. Fire Suppression Equipment

The Contractor shall furnish a water tank truck or trailer which shall be located on or immediately adjacent to the project site and shall meet the following minimum specifications: contain at least 300 gallons of water; a combination straight stream-fog nozzle with 300 feet of one-inch fire hose, with no segment longer than 50 feet; fire hose with nozzle closed shall be capable of withstanding 200 psi pump pressure without leaking, slipping of couplings, distortions, or other failures; nozzle discharge rating of six to 20 gallons per minute; a pump capable of delivering 23 gallons per minute at 175 psi at sea level; power unit for pump shall have fuel for at least two hours operation, with ample transport available for immediate and safe movement of tank over roads serving the project area; and shall be in good working order; pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose tread.

#### K. Fire Activity Levels and Corresponding Minimum Work Restrictions

The table set forth below establishes work restrictions and fire precautions that the Contractor must observe at each activity level.

Contractor shall conform to the limitations or requirements of Project Activity Level obtained from Forest Service before starting work each day. If practicable, Forest Service will determine the following day’s activity level by 4:00 p.m. each afternoon. Activity level may be changed at any time if, in the judgment of the Forest Service, fire danger is higher or lower than predicted and such change is consistent with forest management objectives. The decision to change the activity level, and when, and how to take weather observations for that purpose, are within the discretion of Forest Service.

<b>LEVEL</b>	<b>PROJECT ACTIVITY</b>
<b>A</b>	As required by Sections A thru K above
<b>B</b>	Furnish Fire Patrol. The Fire Patrol must meet the requirements of Section H above. When mechanized equipment with high-speed rotary head is utilized, the Fire patrol shall remain in the operational area until 8:00 p.m., unless otherwise agreed in writing
	The following operations are prohibited from 1 p.m. until 8 p.m. local time:
<b>C</b>	<ul style="list-style-type: none"> <li>a. Dead tree felling, limbing, or bucking except recently dead trees</li> <li>b. Operating high-speed rotary head equipment</li> <li>c. Blasting</li> </ul>
	The following operations are prohibited from 1 p.m. until 8 p.m. local time:
<b>D</b>	<ul style="list-style-type: none"> <li>a. Tractor, skidder, feller-buncher (without high-speed rotary head), forwarder, chipper or shovel logging operations.</li> <li>b. Cable yarding with gravity operated logging systems employing non-motorized carriages when all blocks and moving lines are 10 feet or more above the ground, excluding the line between the carriage and the choker.</li> <li>c. Mechanized loading and hauling, except log trucks already at the landing</li> <li>d. Hand felling green or recently dead material</li> <li>e. Power saw use at landings</li> <li>f. Welding or cutting of metal except by special permit</li> <li>g. Any other spark-emitting operation except by special permit</li> </ul>
	The following operations are <b>prohibited</b> :
	<ul style="list-style-type: none"> <li>h. Blasting between hours of 10 a.m. and 8 p.m.</li> <li>i. Cable yarding except as stated above</li> <li>j. Mechanized operations for felling (with high-speed rotary head), bucking, and limbing</li> <li>k. Felling dead material</li> <li>l. Road clearing and pioneering in uncleared areas</li> <li>m. Mechanized slash disposal</li> </ul>
	Operations are prohibited except:
<b>E</b>	<ul style="list-style-type: none"> <li>a. Trucks at landing may be loaded and can leave sale area</li> <li>b. Equipment at landing may be serviced</li> <li>c. Roads: dust abatement or rock/aggregate installation</li> </ul>
<b>Ev</b>	Same as E with the exception that if site-specific conditions warrant a variance permitting operations, the Forest Service will provide the specified emergency precautions needed.

All of the precautions listed above applies unless the Forest Service representative agrees to changes in writing. Such written agreement, or substitute precautions shall prescribe measures to be taken by the Contractor to reduce the risk of ignition, and/or the spread of fire.

**L. Organization**

A directory shall be prepared of agency personnel immediately concerned with the project, Contractor's key supervisory personnel and all other entities operating within the Project vicinity. The form "Contractor's Plan Regarding Personnel, Equipment, and Organization" or a similar form may be used for this purpose. A copy of this directory shall be furnished to the Forest service.

A list of key Forest Service personnel involved will be furnished to the Engineer and The Contractor at the start of the project. These directories will show the names of individuals, titles, company names, addresses, and telephone numbers.

**Contractor’s Plan Regarding Personnel, Equipment and Organization**

The Contractor shall within 7 days after request or 7 days after notice to proceed, whichever is sooner, complete the following form relating to his key personnel, tools and equipment available for the purpose of responding to emergencies, as needed, within and adjacent to the Project Area.

1. Key Personnel (In order of call preferences)

Title	Name	Working Hours Address and/or Phone	Off Working Hours Address and/or Phone

2. Manpower and Equipment

Classification and/or Type	Number	Classification and/or Type	Purpose