

shovel or fire extinguisher must be kept within 25 feet from each chain saw when used off cleared landing areas. Fire extinguishers shall be of the type and size set forth in the California Public Resources Code Section 4431. Internal combustion engines shall be equipped with spark arresters or mufflers per California Public Resources Code Section 4442.

- F.4 In order to provide additional fire protection and to allow the CONTRACTOR to work when the PAL level would otherwise require a reduction in or a shutdown of the CONTRACTORs operations, additional fire precautions and equipment may be required by the CONTRACTOR. Prior to suspending work, RVC will work with the CONTRACTOR on ways to mitigate the hazard through the use of additional on-site firefighting equipment and personnel beyond the existing contract requirements. PAL applicable to this project shall be for Fuel Model G, National Fire Danger Rating System, and Remote Automated Weather Station (RAWS).
- F.5 When the PAL level is B and if mechanized equipment with high-speed rotary head is utilized, the CONTRACTOR shall furnish a fire patrol consisting of one person with a filled 5 gallon backpack pump and a shovel or McLeod. The fire patrol person's sole duty and responsibility shall be to prevent, detect, and suppress any fire at the work location. The fire patrol person shall perform continuous re-inspection of the day's previously treated area and shall be responsible to see that the local fire department assistance is requested immediately upon discovery of a fire.
- F.6 When the PAL level is C and if the conditions outlined below are complied with the CONTRACTOR may perform dead tree felling, limbing, bucking and use mechanized equipment with high-speed rotary head between the hours of 1 pm and 8 pm. The CONTRACTOR shall furnish a fire patrol for each location (within 100 feet) where dead tree felling, limbing, bucking, and disposal or brush removal is occurring. The fire patrol person shall have a shovel or McLeod in addition to a filled 5 gallon backpack pump. The fire patrol person's sole duty and responsibility shall be to prevent, detect, and suppress any fire at the work location. The fire patrol person shall perform continuous re-inspection of the day's previously treated area and shall be responsible to see that the local fire department assistance is requested immediately upon discovery of a fire.
- F.7 The CONTRACTOR shall furnish a ready to use portable water tank truck or trailer. The water tank truck or trailer 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 a minimum of 23 gallons per minute at 145 to 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 contract area; and shall be in good working order; pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread. The water tank truck or trailer shall be either self propelled or able to be towed by a rubber-tired skidder, a 4x4 rubber tired farm truck tractor, or a crawler tractor. If not self propelled, the towing equipment shall be capable of towing the water tank truck or trailer to

- the area where needed. The towing tractor and portable water tank truck or trailer shall be conveniently located to the work areas and staged within the work area limits.
- F.8 The CONTRACTOR shall develop a notification and delivery system such that if a fire occurs, the water tank truck or trailer can be quickly and efficiently mobilized to the fire site and effectively operated to suppress the fire.
- F.9 In the event a water tank truck or trailer is not immediately available, the CONTRACTOR shall provide a portable (off road) compressed air foam dispensing (CAD), Class A fire suppression system as an acceptable substitute. All other additional emergency fire precautions shall apply. The CAD system shall meet the following minimum requirements:
- F.9.1 30 gallon capacity with 20:1 expansion ratio
  - F.9.2 100 feet of 1 inch hose.
  - F.9.3 Horizontal range of 50 feet.
  - F.9.4 100 psi nozzle.
  - F.9.5 5 minutes sustained use.
- F.10 When the PAL level is D and if the conditions outlined below are complied with the CONTRACTOR may perform: dead tree felling, limbing, bucking, chipping, cable yarding, mechanized slash disposal, shovel logging operations, and use mechanized equipment with high-speed rotary head between the hours of 1 pm and 8 pm.
- F.11 The CONTRACTOR shall furnish a fire patrol person as described above for Level C for dead tree felling limbing, bucking and disposal and a safe distance behind each piece of subject equipment for other operations described above under Level D. One fire patrol person may oversee more than one operation if he or she is within 100 feet and in plain view of each operation. The fire patrol person's sole duty and responsibility shall be to prevent, detect, and suppress any fire at the work location. The fire patrol person shall perform continuous re-inspection of the day's previously treated area and shall be responsible to see that the local fire department assistance is requested immediately upon discovery of a fire.
- F.12 The CONTRACTOR shall furnish a ready to use portable water tank truck or trailer. The water tank truck or trailer 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 a minimum of 23 gallons per minute at 145 to 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 contract area; and shall be in good working order; pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread. The water tank truck or trailer shall be either self propelled or able to be towed by a rubber-tired skidder, a 4x4 rubber tired farm truck tractor, or a crawler tractor. If not self propelled, the towing equipment shall be capable of towing the water tank truck or trailer to the area where needed. The towing tractor and portable water tank truck or trailer shall be immediately available and conveniently located within 1/4 mile (or closer if specified) of each operation or piece of subject equipment described above under level D. The

CONTRACTOR shall develop a notification and delivery system such that if a fire occurs, the water tank truck or trailer can be quickly and efficiently mobilized to the fire site and effectively operated to suppress the Fire.

- F.13 In the event a water tank truck or trailer is not immediately available, the CONTRACTOR shall provide a portable (off road) compressed air foam dispensing (CAD), Class A fire suppression system as an acceptable substitute. All other additional emergency fire precautions shall apply. The CAD system shall meet the following minimum requirements:
- F.13.1 30 gallon capacity with 20:1 expansion ratio
  - F.13.2 100 feet of 1 inch hose.
  - F.13.3 Horizontal range of 50 feet.
  - F.13.4 100 psi nozzle.
  - F.13.5 5 minutes sustained use.
- F.14 When the PAL level is Ev operations are allowed between daylight and 8 pm provided the CONTRACTOR meets the same fire precautions restrictions and requirements as at level D; however, no steel tracked-mounted equipment shall be operated.
- F.15 When the PAL Level is E the CONTRACTOR may service equipment at landings, engage in dust abatement, load trucks at landings and leave work area; however the CONTRACTOR must meet the same fire precautions restrictions and requirements as at level D.

**EXHIBIT B  
PAYMENT PROVISIONS**

Man Hour Labor Rate for:

<b>Basic Mobile &amp; Logging Equipment (Included operator cost for each equipment)</b>	<b>Availability for use by Contractor or alternate supplier</b>	<b>Hourly Rate</b>	<b>Emergency Hourly Rate</b>
4-wheeled drive climbing truck with covered container capable of hauling and dumping chips and towing a chipper.	X	\$85.00	\$90.00
2-wheeled drive truck with boom and bucket, covered container capable of hauling and dumping chips and towing a chipper.	X	\$85.00	\$90.00
Skidder with an attached cable winch.	X	\$110.00	\$115.00
"Skid Steer"-bobcat type tractor or equivalent.	X	\$95.00	\$100.00
Log Loader with truck to haul off logs.	X	\$160.00	\$165.00
Self loading log truck.	X	\$125.00	\$130.00
Small capacity cable logging system. (optional)	N/A	N/A	N/A
Other optional equipment. Please list any additional equipment/rates on a separate sheet of	N/A	N/A	N/A

Hourly Labor Rate for:  
RATE

EMERGENCY HOURLY

Grounds person/Choker-Setter	\$ <u>45.00</u>	\$ <u>45.00</u>
Faller (with all required equipment)	\$ <u>75.00</u>	\$ <u>75.00</u>
Equipment Operator	\$ <u>45.00</u>	\$ <u>45.00</u>
Foreman	\$ <u>50.00</u>	\$ <u>50.00</u>
Traffic Control	\$ <u>N/A</u>	\$ <u>N/A</u>
Log Truck with skid steer	\$ <u>135.00</u>	\$ <u>140.00</u>

**EXHIBIT B**  
Additional Equipment/Rates Cost Sheet

<b>Equipment</b>	<b>Availability for use by Contractor or alternate supplier</b>	<b>Hourly Rate</b>	<b>Emergency Hourly Rate</b>
CAT 966 Log Loader	X	\$100.00	\$100.00
Log Truck (short or Long –logger) (require experienced operator with class A CDL)	X	\$85.00	\$90.00
Self–loading Log/Slash truck (Requires experienced operator with class A CDL)	X	\$125.00	\$130.00
Fire Truck/Trailer	X	\$6.50	\$6.50
4,000 Gal. Self –Loading Water Truck (Requires experienced operator with class A CDL)	X	\$95.00	\$100.00
Fuel & Lube Truck	X	\$13.00	\$18.00
CAT D6 Bulldozer/"A" Dozer Brush Rake, Winch	X	\$120.00	\$125.00
FMC All Terrain Tracked Chipper	X	\$100.00	\$105.00
Towable Chipper	X	\$35.00	\$40.00
Morbark 20/36 whole log & brush grapple chipper		\$110.00	\$110.00
Timbo 425D Masticator/Tree Harvester		\$140.00	\$140.00