**General Order 131-D Section IX B.**
**Permit Application for**
**Hobart Mills Substation Rebuild**

This application is made for a permit under Section IX B-1 for the 60kV Hobart Mills Substation Rebuild Project.

**a- Description of the proposed project**

A customer has approached Sierra Pacific for electrical service in the Hobart Mills vicinity. The project would be located in Nevada County, California approximately 5 ½ miles northeast of the Town of Truckee and east of Highway 89. It has been determined that the best way to serve the customer will be to rebuild the existing 60kV Hobart Mills Substation, which currently has insufficient capacity to supply the needs of the customer. The existing 30' X 30' substation (photo below) would be enlarged to 60' X 75' be surrounded by an 8' chain-link fence and topped with barbed wire for security.

The existing Hobart Mills Substation.

The existing bladed access road for the adjacent 120 kV electric transmission line will be widened to 12 feet and surfaced with gravel to provide year-round access. The photograph below of Osgood Substation is provided to provide the reader with an example of the anticipated appearance of final rebuild of the Hobart Mills Substation. It should be noted that the environmental setting of the vicinities are different and the voltages of the 2 substations also differ. The photograph does provide a good depiction of size, scope and components.

Osgood Substation, an example of the size and scope of the rebuild project.

No work will be required on the existing 12.5kV distribution line but the substation rebuild will result in an increase in voltage to 14.4 kV (still distribution voltage). 1 new pole will be added to the 60kV transmission line to provide the connection into the rebuilt substation.

The rebuild would result in an increase in capacity in the substation and on the distribution line.

Equipment in the substation will be located either on concrete pads or footings. The entire area of the substation will be covered by gravel and oil containment will be provided for oil-bearing equipment such as transformers and circuit breakers in the form of earthen berms.

The construction process would involve construction of the rebuilt substation prior to removal of the old substation components because of the need to provide continued service to existing customers.

Electrical equipment removed from the existing substation will either be reused elsewhere in the company's electrical system or salvaged for scrap.

The estimated constructed cost of the project is approximately $200,000

Construction is anticipated to begin on May 1, 2004 and take approximately 4 months to complete.

**b- Map of the proposed project location**- attached

**c-Reasons for the project location and a discussion of alternatives**.

The proposed project location is based upon the intersection of the existing 60kV transmission line and distribution line. Any other location would require the construction of a lateral link to either of the 2 existing powerlines, at an added cost to the customer and increased environmental impact. The more precise location of the substation was based upon minimizing the need for grading the area flat, maintaining the site on the existing parcel and proximity to the existing substation.

**d.**-A listing of governmental agencies with which the substation location reviews have been undertaken.

**Nevada County**

1-Special Use Permit- The permit will be required because the substation rebuild would be located within Timber Preserve Lands. That process is ongoing and will require many of the same items under review for this permit.

**California Water Quality Control Board- Lahontan Region**

1- Waste Discharge Permit or Waiver-

**Native American Heritage Commission**

**North Central Information Center**

1-Submittal of the Cultural Resource Report

e.- **The Proponent's Environmental Assessment** (PEA) is attached and contains the Cultural Resource Report and the Biological Inventory.

f.- This information is contained within the PEA.