

**California Public Utilities Commission**  
**R. 00-01-005**

Energy Division

Generic data request to Jurisdictional Utilities: REL-1999-2

**RE: OUTAGES**

Please respond to each request below by November 30, 1999

1. Please provide any studies, performed by your company or contractors, conducted or reported since January 1, 1993, that :

- Discuss or evaluate the factors that may or do determine the frequency, length, or other characteristics of outages experienced by customers;
- Report the frequency of outages experienced by customers;
- Compare the relative rates or lengths of outages of overhead and underground lines;
- Discuss, evaluate, or summarize the characteristics of circuits that may lead to better or worse reliability
- Evaluate methods of improving the reliability of individual circuits or other subdivisions of your service territory.

2. Please provide exemplary printouts of your existing outage databases, including the various data fields and codes for those fields, as well as any available data dictionaries. If not included in the outage database, please provide codes for the cause of outages.

3. Please provide exemplary printouts of your existing databases on each circuit and the areas served by each (or failing that, on the areas served by each substation), as well as any available data dictionaries. Please include examples of all data fields that might influence reliability in the service area. For the following variables, if you do not collect these by circuit or substation, please tell us if collecting that data would be feasible: miles of overhead vs. underground lines; whether underground miles are in conduits of various types; whether underground cables are made of Cross Linked Polyester or of other materials; weather indexes (average or maximum temperature, wind speed, altitude, precipitation), levels of maintenance effort; and differing construction standards (e.g., whether special high wind requirements apply).