

ORIGINAL

Decision 93307 JUL 22 1981

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

In the matter of the application )  
of Southern California Edison )  
Company to modify Decision 92549 )  
re evaluation of 12 kV and 16 kV )  
distribution circuits and )  
voltage surveillance program. )

Application 60509  
(Filed April 30, 1981)

O P I N I O N

By this application, Southern California Edison Company (Edison) requests modification of Ordering Paragraphs 3 and 4 of Decision (D.) 92549 issued December 30, 1980. The paragraphs read as follows:

- "3. Edison shall individually evaluate 1,000 distribution circuits for cost-effective Phase II capital improvements and report the results to the Commission by July 1, 1981. A similar report on the balance of the distribution circuits shall be submitted by December 31, 1981. These reports shall include aggressive plans for construction of all improvements found to be cost-effective. Edison shall continue to file quarterly reports with the Commission on its Phase II CVR efforts.
- "4. By April 1, 1981, Edison shall submit its plan for implementation of its voltage surveillance program to individually monitor the maximum and minimum voltage received by customers on each of its distribution circuits. Edison shall have voltage surveillance in place on each of its circuits by December 31, 1981."

In compliance with Ordering Paragraph 4, Edison submitted its proposed voltage surveillance plan on March 13, 1981. The plan, as submitted, was developed through discussions with the Commission staff (staff). Implementation of the plan requires that D.92549 be modified as requested. In justification of the modification, Edison states, and staff agrees, that the proposed plan substantially complies with the intent of the two ordering paragraphs, which is to evaluate distribution circuits for cost-effective Phase II capital improvements and to effectuate those improvements within a reasonable period of time.

Under the proposed plan Edison will, by December 31, 1981, evaluate its 12-kV and 16-kV circuits, which number approximately 1,400, to determine if they comply with Rule 2 of Edison's tariffs for the 114- to 120-volt bandwidth for residential and commercial circuits. If any do not comply, determination will be made on whether cost-effective Phase II capital improvements can be made. For circuits meeting the test of cost-effectiveness, the improvements will be scheduled for construction during 1982 and 1983.

The proposed plan deviates from the requirements imposed by D.92549 in that all regulated 4-kV circuits will not be evaluated for Phase II cost-effective capital improvements by December 31, 1981. Instead, the plan calls for field testing 25 new recording meters on 25 4-kV circuits during July, August, and September 1981. According to Edison, this test is necessary for determination that the meters will perform to specifications prior to the purchase of additional meters. During this test period, the 25 4-kV circuits will be evaluated and those circuits for which improvements are found to be cost-effective will be brought into compliance.

Contingent upon the successful testing of the new recording meters, Edison will monitor 10% of its individually regulated 4-kV circuits each quarter beginning January 1, 1982. During the monitoring period, 4-kV circuits found to be not in compliance with Rule 2 will be evaluated for Phase II cost-effectiveness and brought into compliance as identified.

Edison and the staff believe the above deviations are necessary to provide voltage surveillance for all of Edison's circuits in the most cost-effective manner. The alternative to the proposed plan would be the placement of an individual meter on the first and last customer on each circuit. Edison estimates this would cost about \$1,700,000 annually as contrasted to \$61,000 for the proposed plan. No protests to the granting of the application have been received.

We find that the proposed plan will permit Edison's voltage conservation program to be more efficiently and economically executed. A public hearing would serve no useful purpose.

We conclude that the requested modifications should be made to D.92549.

#### O R D E R

IT IS ORDERED that Ordering Paragraphs 3 and 4 of D.92549 are modified to read as follows:

- "3. Edison shall individually evaluate all 12-kV and 16-kV distribution circuits for cost-effective Phase II capital improvements and report the results to the Commission by December 31, 1981. This report shall include aggressive plans for construction of all improvements found to be cost-effective. Each quarter, Edison shall individually evaluate 10% of its 4-kV circuits for cost-effective Phase II capital improvements beginning January 1, 1982. Improvements found to be cost-effective shall be constructed upon

identification. All 4-kV circuits for which Phase II capital improvements are found to be cost-effective shall be brought into compliance by July 1, 1984. Edison shall continue to file quarterly reports with the Commission on its 4-kV, 12-kV, and 16-kV Phase II CVR efforts.

- "4. By April 1, 1981, Edison shall submit its plan for implementation of its voltage surveillance program to monitor the maximum and minimum voltage received by customers on its distribution circuits. Edison shall have implemented its voltage surveillance plan by December 31, 1981."

This order becomes effective 30 days from today.

Dated JUL 22 1981, at San Francisco, California.

John E. Conyon  
President  
Michael D. Bivelle  
Thomas W. ...  
Victor ...  
Lawrence C. Green  
Commissioners