

Decision No. 38707

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA

In the Matter of the Application of SOUTHERN CALIFORNIA EDISON COMPANY LTD., for a certificate that present and future public convenience and necessity require or will require the construction and operation of Applicant's electrical generation, transmission and distribution system to render sixty cycle alternating current service, and for an Order fixing said frequency as a standard for said system, and authorizing discontinuance of fifty cycle alternating current service in territory served by Applicant.

ORIGINAL

Application No. 26791

ANDERSON & ROWELL, COMMISSIONERS

SECOND SUPPLEMENTAL OPINION AND ORDER

Southern California Edison Company Ltd, was authorized by Decision No. 38090 issued in July of 1945 to undertake the task of converting the frequency of its alternating current electric production, transmission and distribution system to a uniform system-wide value of 60 cycles.

The Commission at that time approved in principle the tentative plans for accomplishing this task, but expressed the desire to have laid before it at the appropriate time a comprehensive picture of the plans, methods, procedures, rules and regulations, standards, practices and schedules finally selected as the basis for carrying out the entire program. Since July, Edison has been engaged in assembling a specialized organization to handle the program and much of the fundamental data and information upon which its final procedures will be founded. The earlier termination of the war than was anticipated necessitates a more accelerated conversion schedule.

In this application Edison asks the Commission to approve two steps not originally contemplated in the initial presentation. Edison desires to

test out on an actual job the tentative procedures for cutover so far developed and for that purpose proposes to convert some 4,000 customers, typical of a small community, in the area known as "Bell Gardens" adjacent to the junction of the Los Angeles River and the Rio Hondo Flood Control Channel.

Edison likewise has been confronted with the problem of supplying power to new and reconverted and expanded industrial plants in its territory. Substantial benefits to these particular customers, to Edison, and as a result to all of its other customers, can be achieved if 60 cycle service can be made available upon completion of such industrial plant construction or reconversion. Edison has devised a plan of establishing certain 60 cycle circuits in certain of its industrial load areas and proposes to serve 60 cycle energy to these new or expanded loads to the extent that facilities are available to do so, without jeopardizing the quality of service rendered to either the new loads or the balance of its system.

Edison's proposals contained in the Second Supplemental Application herein appear to be reasonable steps to undertake in furtherance of the conversion program, and the Commission is of the opinion that it should interpose no objection to Edison proceeding as requested.

The Commission having considered the application, being of the opinion that a hearing is unnecessary, and finding that the authority requested herein is reasonable and necessary in the further performance of Southern California Edison Company's obligations under Decision No. 38090, now therefore,

IT IS HEREBY ORDERED that Southern California Edison Company Ltd. is hereby authorized to:

1. Convert electric service in the "Pilot Area" described in the Second Supplemental Application herein to a frequency of 60 cycles.
2. Establish 60 cycle service in certain of its industrial service areas and convert the apparatus of such industrial customers qualifying for service as proposed in the application.

The effective date of this Order is the date hereof.

Dated at San Francisco, California, this 19th day of
February, 1946.

Harold Anderson

Francis Davis

Joseph Kivell

Harold Kulis

Commissioners