

/JM

Decision No. 80059

ORIGINAL

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

In the matter of the application of
SOUTHERN CALIFORNIA EDISON COMPANY
for a certificate that the present
and future public convenience and
necessity require or will require
the construction and operation by
applicant of a section of the 500-kv
transmission line between Victorville
Substation and Lugo Substation.

Application No. 53052
(Filed December 15, 1971)

OPINION AND ORDER

Southern California Edison Company, a California corporation (Edison) seeks an order of the Public Utilities Commission (Commission) pursuant to General Order No. 131 granting to it a certificate that the present and future public convenience and necessity require or will require Edison to construct and operate a section of a 500-kv transmission line between the Victorville Substation of the Department of Water and Power of the City of Los Angeles (DWP) and Edison's Lugo Substation.

Edison and DWP propose to construct and operate a 500-kv transmission line approximately 15.2 miles in length between DWP's Victorville Substation and Edison's Lugo Substation to be designated the No. 1 Victorville-Lugo 500-kv Transmission Line. Edison will own, construct and operate the southerly one-half of the line from Lugo Substation to the point of interconnection with DWP. DWP will own, construct and operate the northerly one-half of the line between said point of interconnection and its Victorville Substation.

Pursuant to Section 6 of General Order No. 131, Edison gave proper notice of filing the application to the legislative body and planning commission of the county concerned (San Bernardino) and to the State Highway Engineer by mailing copies to them and also has given proper notice to the general public by advertisement in the manner required.

No request for a public hearing has been received by the Commission.

Pursuant to Section 5 of General Order No. 131, Edison submitted the following data:

Necessity for Proposed Transmission Line

The completion and operation of the proposed line by October 1, 1973 will be necessary to promote the present and future safety, health, comfort and convenience of the public for the following reasons:

The line will provide an additional 500-kv interconnection between the electric systems of DWP and Edison which will improve the support, reinforcement, flexibility and reliability of the electrical system of each utility. This interconnection will improve stability on each utility's 500-kv transmission system for delivery of power from generating plants located in the States of New Mexico, Arizona and Nevada, and will lessen the impact of a line-out contingency on either utility's 500-kv transmission system in the area.

The proposed facility will also provide an economic, efficient and reliable means for providing improved transmission line capability required by the Edison system.

Location of Proposed Transmission Line

A map attached to the application, marked Exhibit A, shows the general location and the overall route of the proposed transmission line. The route of the proposed line is located in unincorporated areas of San Bernardino County. A map of the proposed route, Exhibit B attached to the application, shows details of Edison's section of the right-of-way in the vicinity of settled areas parks, recreational areas, and existing transmission lines within one mile of the proposed route. The proposed line will not pass in the vicinity of any recognized scenic areas or any known historic

sites or buildings, or archaeological sites, or produce an unreasonable burden on natural resources or aesthetics of the area.

Description and Cost of Edison's Section of the Proposed Transmission Line

A description of Edison's section of the proposed line and the estimated cost are as follows:

- | | | |
|----------------------------|---|--|
| a. Line Length | - | 7.6 miles |
| b. Right-of-Way Width | - | 280 feet |
| c. Type of Conductor | - | Aluminum Conductor, steel reinforced (ACSR) |
| d. Size of Conductor | - | 2156 MCM, 84 x 19 |
| e. Conductor Configuration | - | Two conductor bundle per phase |
| f. Capacity (thermal) | - | 3,600 amps |
| g. Voltage | - | 500-kv |
| h. Type of Structure | - | Single-circuit, self-supporting lattice steel, square based towers |
| i. Height of Structure | - | 135 feet average |
| j. Estimated Cost | - | \$1,650,000 |

Selection of Proposed Route

The route of Edison's section of the proposed line will traverse desert terrain for its entire distance with only a few sparsely settled areas near where the line passes. It will cross Interstate Highway 15 approximately 3.5 miles southwest of the city of Victorville. Beginning at Lugo Substation, the route will proceed in an easterly direction for approximately 1.3 miles, and then in a northerly direction for approximately 6.3 miles to the point of interconnection with DWP. At such point of interconnection, Edison will erect a dead-end tower to which DWP will attach their insulators and conductors.

The route of Edison's section of the proposed line was selected over any other feasible alternate route because existing transmission line right-of-way corridors could be utilized for the entire distance between Lugo Substation and DWP's Victorville Substation. The access roads built for existing lines in the adjoining right-of-way will be improved and used for construction and maintenance of the proposed line.

Edison's section of the proposed line will parallel Edison's existing Lugo-Victor 220-kv and Lugo-Calectric 115-kv rights-of-way to the point of interconnection with DWP. DWP's portion of the proposed line will also parallel this right-of-way from the point of interconnection to its intersection with DWP's Nos. 1 and 2 Boulder 287-kv lines into Victorville Substation.

Any other feasible alternative route would be less efficient, less economical, and would have a greater total impact on the environment in that it would require a separate right-of-way corridor along with new access roads for construction and maintenance.

Construction Schedule

The estimated schedule for construction of Edison's section of the proposed line is as follows:

Start of Foundations	May 14, 1973
Start of Tower Erection	June 6, 1973
Start of Conductor Stringing	July 16, 1973
Operating Date	October 1, 1973

Governmental Agency Review

The proposed route has been reviewed with the County of San Bernardino. The County of San Bernardino was requested to provide a brief written position statement concerning the transmission line and a copy thereof is attached to the application as Exhibit C.

Exhibit C indicates that the Board of Supervisors of San Bernardino County at its meeting of March 22, 1971, approved the transmission line proposed by Edison.

Notice will be filed with the Federal Aviation Administration with respect to Edison's 7.6 mile section of the transmission line. Based on the applicable criteria of Part 77, Federal Aviation Regulations, Edison is informed and believes that the proposed structures will not have a substantial adverse effect upon the safe and efficient use of navigable airspace and will not be a hazard to air navigation.

Findings

The Commission finds that:

1. The construction, installation, operation and maintenance of a section of a 500-kv line by Southern California Edison Company between Victorville Substation and Lugo Substation as described in the application, in the County of San Bernardino, are reasonably required to meet area demands for present and future reliable and economic electric service.

2. The section of the transmission line to be constructed by Southern California Edison Company as described in this application will not produce an unreasonable burden on natural resources, aesthetics of the area in which located, public health and safety, air and water quality in the vicinity, or parks, recreational and scenic areas, or historic sites and buildings or archeological sites.

3. Applicant's proposal is in the public interest, that public convenience and necessity now require and will require the construction of the section of the 500-kv transmission line described in this application, and that a public hearing is not necessary.

The Commission concludes that a certificate should be issued.

The certificate herein granted shall be subject to the following provision of law:

"The Commission shall have no power to authorize the capitalization of this certificate of public convenience and necessity or the right to own, operate or enjoy such certificate of public convenience and necessity in excess of the amount (exclusive of any tax or annual charge) actually paid to the State as the consideration for the issuance of such certificate of public convenience and necessity or right."

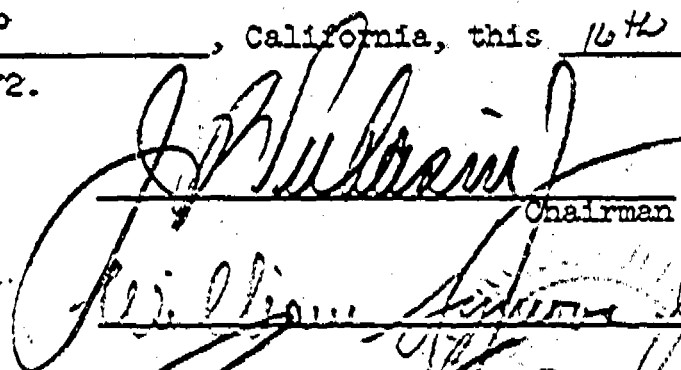
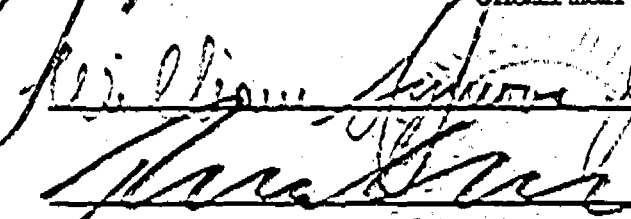
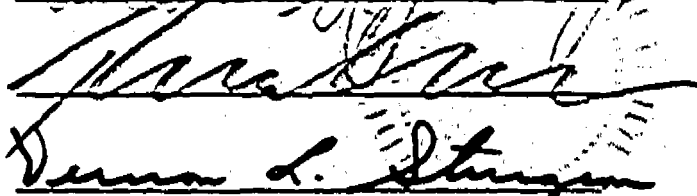
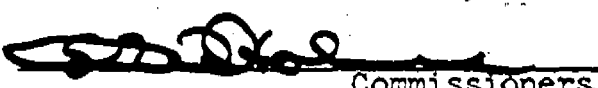
The action taken herein is for the issuance of a certificate of public convenience and necessity only and is not to be considered as indicative of amounts to be included in a future proceeding for the purpose of determining just and reasonable rates.

IT IS ORDERED that a certificate of public convenience and necessity is granted to Southern California Edison Company to construct, operate, maintain and use a section of the 500-kv transmission line as described in the application.

The authorization herein granted shall expire if not exercised within three years from the date hereof.

The effective date of this order shall be twenty days after the date hereof.

Dated at San Francisco, California, this 16th day of MAY, 1972.


Chairman



Commissioners