

Decision No. 79207**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 the No. 1 500-kv)
 transmission line from Vincent)
 Substation to Pardee Substation.)

Application No. 52395
 (Filed January 11, 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 of the Commission granting to it a certificate that the present and future public convenience and necessity require or will require the construction and operation of a 500-kv transmission line from Vincent Substation to Pardee Substation.

Edison proposes to construct and operate the No. 1 Vincent-Pardee 500-kv transmission line, a 29-mile single-circuit transmission line located on new right of way.

The proposed line will be constructed for ultimate operation at 500 kv, but will be operated initially at 220 kv. The line will be designated the No. 3 Vincent-Pardee 220-kv transmission line until required for service at 500 kv when, at that time, it will be redesignated the No. 1 Vincent-Pardee 500-kv line. During the period of operation at 220 kv, the line will replace the existing No. 2 Vincent-Saugus (No. 2 Vincent-Pardee) line.

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 (Los Angeles) 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 Line

The completion and operation of the No. 1 Vincent-Pardee 500-kv transmission line at 220 kv by March 1, 1973, will be necessary to promote the present and future safety, health, comfort and convenience of the public for the following reasons:

The proposed line is initially required at 220 kv in order to provide for necessary transmission system capability during circuit outage conditions. As a result of adding the 790-megawatt output of Ormond Beach Unit No. 2 to the system, a double line-out contingency involving the Eagle Rock-Sylmar and Gould-Sylmar 220-kv lines would expose the existing No. 2 Vincent-Saugus (No. 2 Vincent-Pardee) 220-kv line to excessive loadings up to 152% of the normal thermal rating. The new circuit will permit the 220-kv system network to withstand either single-circuit or two-circuit outage contingencies in the area without exceeding thermal loading criteria.

The line will ultimately be required to provide 500-kv transmission capacity in connection with Edison's long-range plans to develop additional generating resources in the northwest part of its system. Analyses regarding the No. 1 Vincent-Pardee 500-kv line have determined that it is more economical and efficient to initially build the line at 500 kv than to build it first at 220 kv and then rebuild it later at 500 kv.

The No. 1 Vincent-Pardee 500-kv transmission line will provide an economic, efficient and reliable means of providing the additional transmission line capacity required by the Edison system.

Location of Proposed 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 territory within the boundaries of the County of Los Angeles.

Beginning at Vincent Substation, the route of the proposed transmission line proceeds for approximately 4 miles in a southwesterly direction, continues approximately 22 miles in a westerly direction and then continues 3 miles in a southwesterly direction to Pardee Substation. The route is generally adjacent to existing 220-kv or 66-kv lines. Approximately $4\frac{1}{2}$ miles of the line is situated in the Angeles National Forest.

The proposed line traverses mostly rugged, unimproved land within or in the vicinity of the Angeles National Forest. There are only a few sparsely settled areas near where the line passes. The proposed line crosses one highway, California State Highway 14, approximately 8 miles northeast of Solemint.

A map consisting of five sheets showing the proposed routing attached to the application, marked Exhibit B, shows details of the right of way in the vicinity of settled areas and any existing transmission lines within 1 mile of the proposed route.

The proposed transmission line does not pass in the vicinity of any parks, recreational or scenic areas (other than Soledad Sands Park), historic sites or buildings, or archeological sites. Soledad Sands Park is a privately owned park located on the east side of Soledad Canyon Road. An easement for the line to cross the property has been granted by the owner. The proposed line will not produce an unreasonable burden on the natural resources or aesthetics of the area.

Description and Cost of Proposed Line

A description of the proposed transmission line and its estimated cost are as follows:

- a. Line Length - 29 miles (approx.)
- b. Right-of-Way Width - New right-of-way varies from 285' to 330'
- c. Type of Conductor - Aluminum Cable Steel Reinforced (ACSR)
- d. Size of Conductor - 2156 MCM, 84 x 19
- e. Conductor Configuration - Two-conductor bundle per phase
- f. Capacity (thermal) - 2320 A at 220 kv
- 3600 A at 500 kv
- g. Voltage:
 - Initial Oper. - 220 kv
 - Ultimate Oper. - 500 kv
- h. Type of Structure: - Conventional self-supporting, four-legged, lattice steel towers
- i. Height of Structures - 125' (average)
- j. Estimated Cost - \$5,156,000

Selection of Proposed Route

The route selected for the proposed transmission line is generally parallel and adjacent to the existing 220-kv Vincent-Saugus transmission line and will generally use existing access roads. These roads will be improved and used during construction.

The route of the proposed line was selected because it is more efficient than any other alternative and avoids settled areas. Any other alternative route would be longer and would require more right of way, more towers, a longer period of construction and would have a greater total impact on the environment.

Estimated Schedules

The rights-of-way acquisition for the proposed line and for the future No. 2 Vincent-Pardee 500-kv line is presently approximately 90% complete. Applications for an Easement and Rights of Way have been filed with the United States Forest Service and with the United States Bureau of Land Management. The estimated

schedule for completion of acquiring the rights of way and for construction of the line is as follows:

Land Acquisition Authorized	-	May 4, 1965
Contract Award for Material Procurement and Line Construction	-	April 1, 1971
Land Acquisition to be Completed	-	January, 1972
Start of Foundations and Roads	-	January 1, 1972
Start of Tower Erection	-	April 1, 1972
Start of Conductor Stringing	-	August 1, 1972
Operating Date	-	March 1, 1973

In order to meet this schedule, the applicant respectfully requests that the Commission grant its authorization not later than 12 months from the date of filing of this application.

Governmental Agency Review

The proposed route has been reviewed with the County of Los Angeles and that governmental agency was requested in writing to provide a brief written position statement; a copy of the written agency response is attached to the application as Exhibit C.

In a letter dated August 5, 1971, which is Exhibit 1 in the proceeding, is a further statement from the County of Los Angeles Regional Planning Commission staff, wherein it states that the staff has no objection to the construction and operation of the subject transmission line.

Notice of the proposed construction has been filed with the Federal Aviation Administration with respect to the No. 1 Vincent-Pardee 500-kv 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.

Additional Data

By letters dated March 26, 1971 and March 31, 1971 to the Commission and to Edison, the State Department of Public Works (representing the State Highway Engineer) expressed its concern with two aspects of the proposed transmission line and would have no objections to the application if Edison is agreeable to meeting certain requirements.

By letter of April 30, 1971 to the Commission and to the State Department of Public Works (Public Works), Edison stated that an acceptable solution can be worked out as to the conflict of Edison's existing transmission line easement and the routing for Highway 126 proposed by the Public Works. Edison also stated that its lines will provide clearances in excess of 80 feet where the lines cross Route 14 and the Sierra Highway, which appears adequate for aerospace vehicles transporting over-height loads.

No additional correspondence has been received by the Commission from Public Works.

Findings

The Commission finds that:

1. The construction, installation, operation and maintenance of a 220-kv line between Vincent Substation and Pardee Substation as described in the application, in the County of Los Angeles, is reasonably required to meet area demands for present and future reliable and economic electric service.

2. The transmission line 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 service 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 220-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:

1. A certificate of public convenience and necessity is granted to Southern California Edison Company to construct, operate, maintain and use a 220-kv transmission line as described in the application.

2. 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 5th day of OCTOBER, 1971.

[Signature]
Chairman
William J. [Signature]

[Signature]

[Signature]
Commissioners

-7- Commissioner Thomas Moran, being necessarily absent, did not participate in the disposition of this proceeding.