

10/27/66

19. APPLICATION FOR OVERHEAD-WIRE-CROSSING EASEMENT, STATE SCHOOL LAND, SAN BERNARDINO COUNTY; SOUTHERN CALIFORNIA EDISON COMPANY - W.O. 6329, P.R.C. 3646.2.

After consideration of Calendar Item 17 attached, and upon motion duly made and carried, the following resolution was adopted:

THE EXECUTIVE OFFICER IS AUTHORIZED TO ISSUE TO SOUTHERN CALIFORNIA EDISON COMPANY A 15-YEAR EASEMENT AT A TOTAL RENTAL OF \$1,285.95, FOR CONSTRUCTION, OPERATION, AND MAINTENANCE OF AN OVERHEAD ELECTRIC POWER LINE, WITH THE RIGHT OF RENEWAL FOR THREE PERIODS OF 10 YEARS EACH, OVER THE FOLLOWING-DESCRIBED LAND:

A STRIP OF LAND SIX HUNDRED NINETY (690) FEET WIDE, THE SIDE LINES THEREOF BEING TWO HUNDRED TEN (210) FEET NORTHWESTERLY AND FOUR HUNDRED EIGHTY (480) FEET SOUTHEASTERLY, MEASURED AT RIGHT ANGLES, RESPECTIVELY, FROM THE SURVEYED REFERENCE LINE BEING HEREINAFTER DESCRIBED EXTENDING OVER AND ACROSS A PORTION OF SECTION 36, TOWNSHIP 10 NORTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, THE SURVEYED REFERENCE LINE OF SAID STRIP OF LAND BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SOUTHERLY LINE OF SAID SECTION 36, SAID POINT BEING NORTH $88^{\circ} 37' 43''$ EAST, 1,627.11 FEET, MEASURED ALONG SAID SOUTHERLY LINE AND ITS WESTERLY PROLONGATION, FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTHWEST CORNER OF SECTION 1, TOWNSHIP 9 NORTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN; THENCE NORTH $36^{\circ} 21' 05''$ EAST 5,933.93 FEET MORE OR LESS TO A POINT IN THE EASTERLY LINE OF SAID SECTION 36, SAID POINT BEING SOUTH $0^{\circ} 15' 10''$ EAST 533.52 FEET, MEASURED ALONG SAID EASTERLY LINE FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTHEAST CORNER OF SAID SECTION 36.

THE SIDE LINES OF SAID STRIP OF LAND SIX HUNDRED NINETY (690) FEET WIDE SHALL BE PROLONGED OR SHORTENED SO AS TO TERMINATE IN THE SOUTHERLY AND EASTERLY LINES OF SAID SECTION 36.

Attachment

Calendar Item 17 (2 pages)

10/66

CALENDAR ITEM

17.

APPLICATION FOR OVERHEAD-WIRE-CROSSING EASEMENT, STATE SCHOOL LAND, SAN BERNARDINO COUNTY; SOUTHERN CALIFORNIA EDISON COMPANY - W.O. 6329.

Southern California Edison Company has applied for a 690-foot easement for a 500 kv electric transmission line across 41.1 acres of State school land in Section 36, T. 10 N., R. 7 E., S.B.B. & M., San Bernardino County (see Exhibit "A").

The applicant has offered the following statement relating to the comparative cost of overhead to underground construction:

"The highest voltage at present utilized for sub-surface (underground or submarine) transmission in this country is 345 kv.

"Extending the voltage levels to 500 kv involves technological problems that would require further years of research and development in order to bring this voltage class of cable and accessories into the realm of practicability. Research is now in progress which is pointed toward meeting this objective but at the present, both cables and accessories are not available for manufacture commercially. As with 115 and 230 kv cables, areas of rugged terrain will present situations in which an underground system is not technically feasible.

"Since 500 kv cable systems have not yet been developed by the cable and accessory manufacturers, cost estimates can be made only on a theoretical basis. In view of the large power transmitting capabilities of a 500 kv bundled conductor overhead system, 3 to 4 underground circuits would be required for an equivalent system. Cost ratios of a sub-surface installation to an overhead installation cannot be estimated within practical limits of accuracy at our present level of technology."

A staff appraisal indicates a value of \$1,295, which results in an annual rental of \$85.73, or a total of \$1,285.95, for the initial period of 15 years. The lease will provide for three renewal periods of 10 years each.

IT IS RECOMMENDED THAT THE COMMISSION AUTHORIZE THE EXECUTIVE OFFICER TO ISSUE TO SOUTHERN CALIFORNIA EDISON COMPANY A 15-YEAR EASEMENT AT A TOTAL RENTAL OF \$1,285.95, FOR CONSTRUCTION, OPERATION, AND MAINTENANCE OF AN OVERHEAD ELECTRIC POWER LINE, WITH THE RIGHT OF RENEWAL FOR THREE PERIODS OF 10 YEARS EACH, OVER THE FOLLOWING-DESCRIBED LAND:

A STRIP OF LAND SIX HUNDRED NINETY (690) FEET WIDE, THE SIDE LINES THEREOF BEING TWO HUNDRED TEN (210) FEET NORTHWESTERLY AND FOUR HUNDRED EIGHTY (480) FEET SOUTHEASTERLY, MEASURED AT RIGHT ANGLES, RESPECTIVELY, FROM THE SURVEYED REFERENCE LINE BEING HEREINAFTER DESCRIBED EXTENDING OVER AND ACROSS A PORTION OF SECTION 36, TOWNSHIP 10 NORTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, THE SURVEYED REFERENCE LINE OF SAID STRIP OF LAND BEING DESCRIBED AS FOLLOWS:

CALENDAR ITEM 17. (CONTD.)

BEGINNING AT A POINT IN THE SOUTHERLY LINE OF SAID SECTION 36, SAID POINT BEING NORTH $88^{\circ} 37' 43''$ EAST, 1,627.11 FEET, MEASURED ALONG SAID SOUTHERLY LINE AND ITS WESTERLY PROLONGATION, FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTHWEST CORNER OF SECTION 1, TOWNSHIP 9 NORTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN; THENCE NORTH $36^{\circ} 21' 05''$ EAST 5,933.93 FEET MORE OR LESS TO A POINT IN THE EASTERLY LINE OF SAID SECTION 36, SAID POINT BEING SOUTH $0^{\circ} 15' 10''$ EAST 533.52 FEET, MEASURED ALONG SAID EASTERLY LINE FROM A U.S.G.L.O. BRASS CAP MONUMENT SET AT THE NORTHEAST CORNER OF SAID SECTION 36.

THE SIDE LINES OF SAID STRIP OF LAND SIX HUNDRED NINETY (690) FEET WIDE SHALL BE PROLONGED OR SHORTENED SO AS TO TERMINATE IN THE SOUTHERLY AND EASTERLY LINES OF SAID SECTION 36.