

# City Growth Challenge To Edison Facilities With 200% Increase

In serving the electrical needs of the city of Torrance, the Southern California Edison Company has kept pace with one of the fastest growing sections of the country, according to L. E. Jenkins, Edison district manager.

Since the end of World War II the number of electric meters connected to Edison lines in this city has increased more than 200 per cent, Mr. Jenkins said, compared with an Edison system-wide average of 72 percent. More important than for its growth alone, however, is the

position this city occupies as one of the key points in the company's transmission system. La Fresa substation, located at 17680 Yukon Avenue, receives the entire output of the company's present Redondo Steam Station, stepping the electricity up from 66,000 volts to 220,000 volts for transmission to other stations located throughout the Edison system.

During the post-war period major additions totaling approximately \$2,300,000 have been made at La Fresa substation to provide greater capacity and

modern equipment for meeting increased electrical demand. Modifications have included a new 220,000 volt switch rack, provision for additional capacity, replacement of the oil circuit breakers and other major improvements.

**Fourth Addition**  
As in the city of Torrance, the post-war surge in population and increased demand for electricity throughout Edison territory has accounted for a system-wide expansion program. Work is presently under way on three major additions to Edison

generating facilities, and a fourth is being planned.

Work on the company's Edwanda Steam Station in San Bernardino County is nearing completion. The first of the station's two generating units is now in full production and plans call for the operation of the second unit later this year. Started in 1951, the Edwanda Station will have a total generating capacity of 250,000 kilowatts and will cost approximately \$40,000,000.

Construction of a second plant at the company's Redondo

Beach Steam Station was begun in 1952. Initially to have one 150,000 kilowatt generating unit, the new station is expected to be in operation by mid-year of 1954.

High in the Sierra Nevada Mountains construction of a major addition to the famous Big Creek hydroelectric development is under way as work progresses on Edison's new Vermillion Valley power reservoir project. Vermillion dam, to be built across Mono Creek in Fresno County, will form a storage reservoir with a capacity

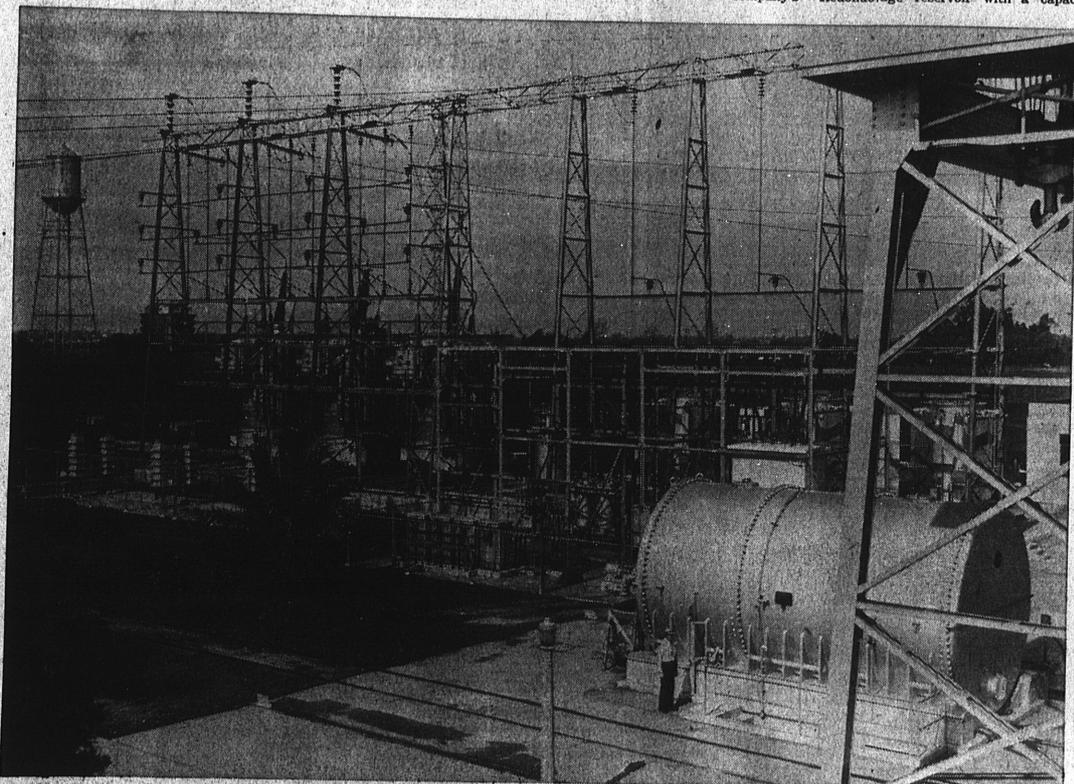
of 125,000 acre feet to provide additional regulation and storage of water for use in the company's six Big Creek powerhouses throughout the area. In addition to supplying more electric power for Edison service, the Vermillion Valley reservoir will provide increased water conservation and flood control facilities for the San Joaquin Valley.

Edison's long range planning for development of water power in the Big Creek area includes another reservoir and powerhouse—the Mammoth Pool project—for which the company has applied to the Federal Power

Commission for permission to build. Plans for this project call for a reservoir with a capacity of 123,000 acre feet on the upper San Joaquin River, and a powerhouse with a generating capacity of 126,000 kilowatts located seven miles down stream.

It is estimated that electric energy which could be generated by the proposed Mammoth Pool powerhouse would average 550,000,000 kilowatt

hours per year, and the additional water which would be made available for use in some of Edison's other Big Creek plants would result in an annual average gain of 86,000,000 kilowatt hours from those plants. The same irrigation, water conservation, flood control and recreational benefits coincident with the Vermillion project would be applicable to the Mammoth Pool development.



## Pittsburgh Co. Offices Here Has New Modern

One of Torrance's newer industries is the Pittsburgh Plate Glass Co., whose modern brick office and factory at 465 Crenshaw Blvd. is a credit to the city.

The divisional headquarters of the company, the plant is the headquarters of Divisional Director A. D. Wagen and Assistant Director W. H. Douglas. The plant was established on 15 acres here in January, 1951. It manufactures paint products for a world-wide market.

Working in the Torrance plant are 185 persons, part of the 30,000 employed by the company in the United States.

Principal products manufactured in Torrance are paint, varnish, and lacquer.

The company plans no expansion here in the near future, according to Wagen.

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**POWER HEADQUARTERS . . .** The La Fresa substation, located in Torrance, is one of the major links in Southern California Edison Co. transmission facilities. It receives the entire output of the Redondo Steam Station for transmission to other parts of the Edison system. Improvements totaling approximately \$2,300,000 have been made at this station since the end of World War II as part of the company's continuing expansion program.



*Eternity*

Wind, sun, rain, snow . . . all come their way and go on. Yet the granite peak stands. So with our memories for those beloved who have left us. In this moment of sorrow depend on complete understanding and service.

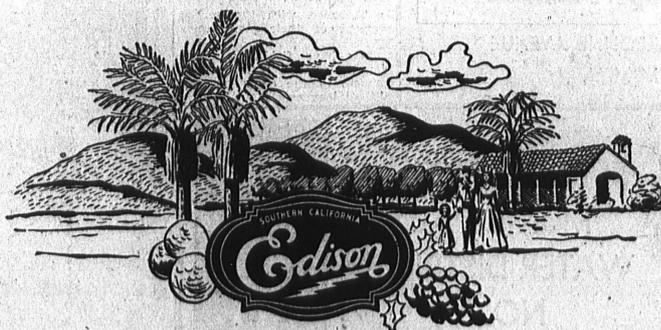
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## PROUD OLD CALIFORNIA FAMILY!

The year 1953 is our fifty-eighth year of service to homes, farms, business and industry in Central and Southern California. This, we feel, ranks our "coat of arms" among those of the pioneer families of the west—for it was within the past fifty-eight years that the west of today emerged.

Indeed, the west of today would have been impossible without electricity. Watering thirsty acres, it transformed wastes into fertile fields and groves. Turning mill and factory wheels, it has been a prime

mover in industrial development. Bringing comfort and convenience into homes, it has helped turn villages into thriving and prosperous cities.

Edison is proud that its symbol has meant two things to Central and Southern California throughout the period of its greatest growth and development: A dependable supply of vital electric power at low cost, and a company which has always been an integral part of every community it serves—a good citizen, friend and neighbor.

SOUTHERN CALIFORNIA EDISON COMPANY

