

# EQUIPMENT INDICATION OF GROWTH

### Copco Keeps Pace With Service Demands By Installing Modern Sub-Station and other Improvements—Power Dependable.

One of the most important construction projects to be completed in southern Oregon during the past year was the splendid new Medford substation of The California Oregon Power company. This new, modern substation which was built during 1930 to take care of the increasing business in and about the city of Medford and to insure adequate service for the future needs of this section represents a large investment on the part of this well known public service company and indicates the faith Copco has in the ultimate development of this territory.

The new Medford substation, which is one of the most modern properties of its kind on the Pacific coast, is located north of Jackson street and east of Bear creek, entirely removed from the business and residence districts of Medford.

With the completion of the new substation it will now be possible to entirely remove the two former substations, one of which is located on South Riverside and the other on Genesee near Jackson.

#### Will Improve Service

The new Medford substation will greatly improve service in this city and the surrounding territory, being the distribution center for ten 4000-volt feeder lines. These distribution circuits serve not only the entire business and residence section of Medford but also the communities of Central Point, Jacksonville, Phoenix, Talent and the intervening area including the important orchard districts.

The new station is supplied with many sources of power, which assures continuous and dependable service to Copco customers. It receives power from the big new Prospect No. 2 plant and the Copco, California, plants through line 15, from the Gold Ray and Prospect generating stations through line 4 and from the Copco No. 1, Copco No. 2 and Fall Creek plants through line 2.

These many and varied sources assure a dependable power supply and present an interesting comparison of a new up-to-date transmission system with the old days when Medford was dependent on one small power plant, of doubtful efficiency and inadequate capacity.

The new Medford substation was carefully designed to include every modern improvement and is supplied with the last word in electrical equipment including automatic controls. The distribution circuits are underground, being run through a special armored cable and no paths have been spared to insure the efficiency of this splendid new Copco property.

The entire substation yard is brilliantly illuminated and presents an attractive scene at night as well as by day. The building of this substantial addition to the Copco system represents a large investment on the part of The California Oregon Power Company for local labor and materials during the past year.

#### Many Other Improvements

Although the Medford substation was the major construction job completed by The California Oregon Power company during the past year, there were numerous other improvements and additions made throughout "Copco-land." The new Coos Bay steam generating plant of the Mountain States Power company completed July 1, 1930 at North Bend, Ore., was leased by the Copco concern in order to provide necessary steam stand-by service.

This new plant is interconnected with the Copco transmission system by means of line 20, a 110,000 volt power line, 45 miles long, extending from Dixonville to North Bend, Ore.

A new 11,000 volt transmission line approximately 26 miles in length was recently completed from the town of Sprague River to Beatty and Big, Ore. The completion of this new project will mean an abundance of power at reasonable rates will be made available for the residents of the town of Beatty as well as the many farms and homes in the Sprague River valley.

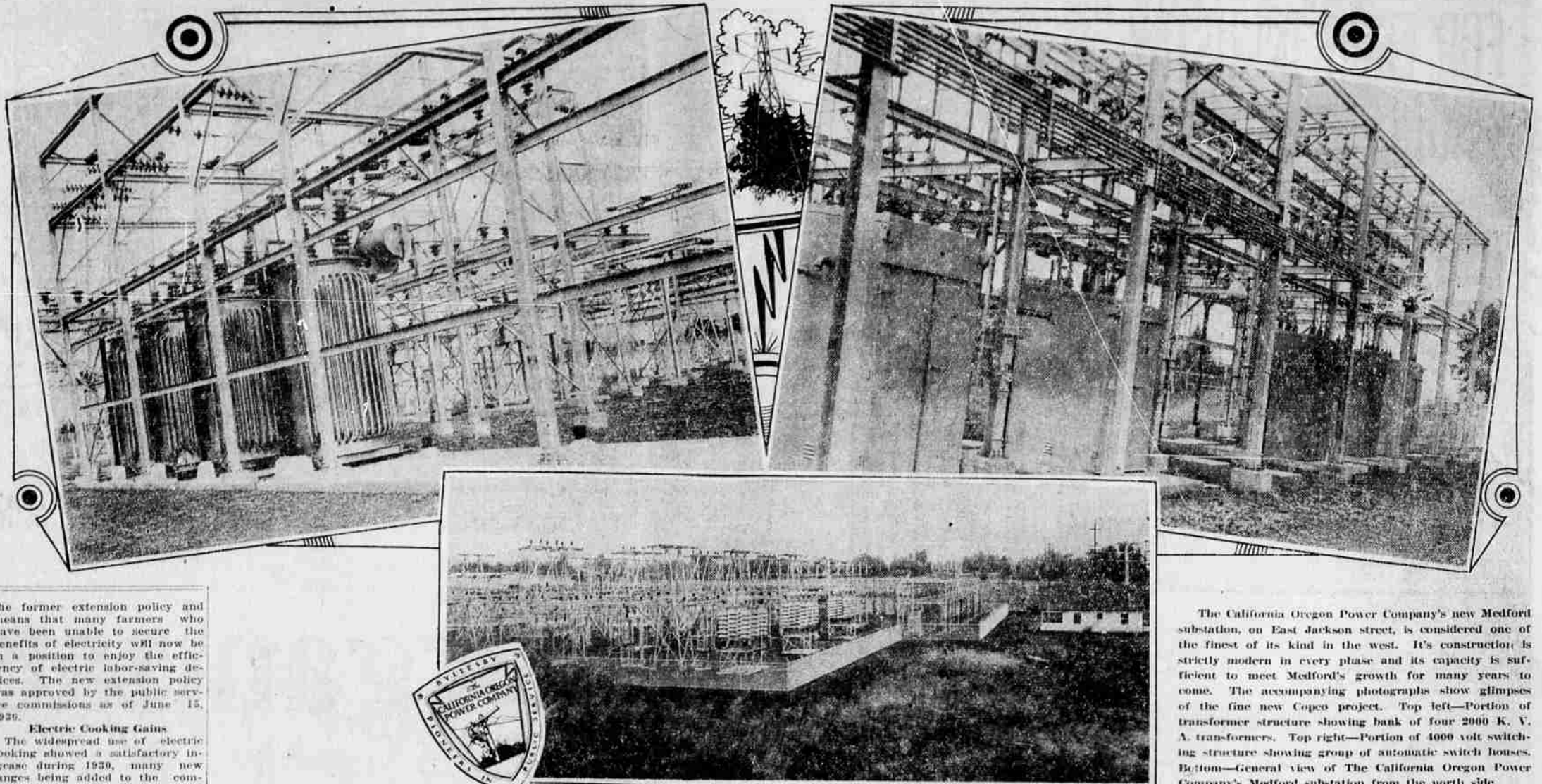
The tying in of Big to the Copco transmission system will also mean improved service at lower rates for the residents of that thriving community which was formerly served by means of a small Diesel plant. Another important line extension in the Klamath division has been constructed from Bonanza south into Langel valley, a distance of ten miles.

#### Many Rural Extensions

A large number of rural extensions were constructed in 1930 throughout the entire territory, served to bring the comfort and convenience of electric service to local farms and rural districts.

In order to extend present power lines to serve as many rural districts as possible and give the farmer the same service as the city customer, the company put into effect during 1930 a new extension policy. This new policy provides for a considerable additional investment to serve new rural customers and is based upon the estimated annual revenue. It represents a substantial increase over

# Copco's New Medford Substation, One of Finest in West, Erected 1930



The California Oregon Power Company's new Medford substation, on East Jackson street, is considered one of the finest of its kind in the west. Its construction is strictly modern in every phase and its capacity is sufficient to meet Medford's growth for many years to come. The accompanying photographs show glimpses of the fine new Copco project. Top left—Portion of transformer structure showing bank of four 2000 K. V. A. transformers. Top right—Portion of 4000 volt switching structure showing group of automatic switch houses. Bottom—General view of The California Oregon Power Company's Medford substation from the north side.

the former extension policy and means that many farmers who have been unable to secure the benefits of electricity will now be in a position to enjoy the efficiency of electric labor-saving devices. The new extension policy was approved by the public service commissions as of June 15, 1930.

#### Electric Cooking Gains

The widespread use of electric cooking showed a satisfactory increase during 1930, many new ranges being added to the company's lines, both in the city and country districts. It is interesting to note that one out of every four residential customers in Copco territory cooks with electricity, a fact which demonstrates the local popularity of electric cooking due to its many superior advantages and the reasonable cooking rates offered by The California Oregon Power company.

During 1930 the company, in cooperation with the United States Department of Commerce, completed several new line extensions to serve air beacons and emergency landing fields located on the Pacific Airway in Southern Oregon and Northern California. A total of 25 beacons and emergency landing fields, as well as the large new class A airport at Medford, are now being served by The California Oregon Power company.

#### Many Copco Stockholders

The well-known slogan of the California Oregon Power company, "Your Partners in Progress," is exemplified by continuous development, close cooperation with local communities in worthy civic activities and in preferred stock offers in which local customers are given the opportunity to share in the company's earnings. The fact that over 6000 people in this territory are shareholders in The California Oregon Power company is evidence that this company is actually in partnership with the communities which it serves.

#### Plans for 1931

Plans for the coming year include the completion of a new substation for Grants Pass, the building of a regulating dam at Keno and the construction of new line extensions in the rural districts as well as necessary improvements to the present system. Application has also been made for permits from the federal and state authorities to proceed immediately with the construction of a new \$4,000,000 hydro-electric power project, funds for which have already been authorized in the Copco budget for 1931.

## Jackson County Road Work Assumes Large Importance As Mileage and Traffic Grow

Exclusive of state highways and dedicated public roads, there are 830.2 miles of road in Jackson county, an annual report for 1930 from the county engineer's office reveals. Market roads have a mileage of 128.21. The engineer's office spent a busy year in maintenance, improvement and new construction work and the county is regarded as having one of the best road systems in the state.

The mileages are classified as follows: Bituminous, 8.45; oiled, 11.92; rock or gravel surface, 404.96; improved earth roads, 369.18; unimproved, 187.39. The market roads are classified as follows: Pavement, 8.45; oiled, 11.92; graded, 4.18; unimproved, 37.24.

During 1930, there were 30 bridges built and 28 1/2 miles of new grade was constructed. Thirteen miles were surfaced with rock or gravel; 19 1/2 miles resurfaced and 11.92 miles oiled. Approximately 50 bridges were repaired and 960 miles of road were maintained. Figures on the number of the bridges show there are nine steel bridges in the county, four concrete bridges and 693 wood bridges.

#### Large Sum Expended

The sum of \$475,000 was expended for road work, divided into \$85,000, special levies; \$165,000, general road fund; \$125,000, market road fund.

Among important projects of the year was the construction of a new machine shop on the county fair grounds. It is one of the most modern buildings in the state, with a main shop 100 feet by 125 feet in dimensions. The walls and floor are of concrete covered by a wooden composition roof. The work room is 100x100, with one end containing office, stock room, locker room and lavatory. The main shop contains a ten ton crane with a 31-foot span and 20-foot clearance. There are also two three-ton trolleys on each side of the building.

#### Shop Separate

The blacksmith shop is housed in a separate building, 30x25 feet, east of the machine shop. It contains one five-ton crane with 12 foot clearance and 11 foot span. It is connected to the machine shop with steel rail tracks. There is also an open storage shed in the yard. The oil and gasoline house sets 50 feet west of the office and is of fireproof construction. The yard, with an area of 4 1/2 acres, has been leveled and gravelled.

The contemplated road program for next year includes the construction of the Sams Valley market road in the Dodge bridge section and the Little Butte market road from the old city water intake to Fish lake. Construction will take place on the Dead Indian market road from Summit toward Deadwood. The Applegate market road will be oiled from Rich to Proffit in cooperation with funds from special road district No. 10.

#### Levies Announced

Levies for the ensuing year, covering construction and maintenance work during 1931, have been announced by Paul Rynning, county engineer. They are as follows:

District No. 1	Total \$3,800.00
Deber road	1,000.00
Hill road	500.00
Old Green Springs road	500.00
Copco road	700.00
Emigrant Creek road	1,100.00

District No. 2	Total \$3,800.00
Gasgow-Talent road	1,500.00
Feen Valley road	2,000.00
Hughes road	700.00
Wagner Creek road (oil)	1,200.00
Anderson Creek road	200.00
Phoenix-Jacksonville	500.00
(Kings Hwy to Voorhies)	500.00
Lowes to Pacific highway	1,000.00
Talent to Corlies	500.00
Bellyview	1,000.00

District No. 3	Total \$6,250.00
Meridian road (surfacing)	5,500.00
Ala Vista road (grading and surfacing)	850.00
Niek Young road (surfacing)	1,000.00
Asate Dodge bridge (surfacing)	700.00
Wilfly road (surfacing)	2,300.00
Trail Creek road (surfacing and grading)	500.00
West Rogue River (grading and surfacing)	500.00

District No. 4	Total \$5,000.00
Taylor road, grade and surface	1,700.00
Scenic Avenue, surface	500.00
Old Stage Road, Heall Lane North, grade and surface	1,000.00
Heal Lane, oil	2,000.00
Kanes Creek, surface	150.00
Gauls Creek, surface	150.00
Koenig Road, grade	500.00

District No. 6	Total \$2,315.00
South Park Road, grading and surfacing	2,000.00
Lake Flat road, grading and surfacing	165.00
Obenbain road, grading and surfacing	150.00

District No. 7	Total \$18,800.00
Conly road, surfacing	3,300.00
Gumpert-Pool road, surfacing	1,700.00
Prospect road, surfacing	7,200.00
Camp road, grading and surfacing	2,000.00
Doubleday road, grading and surfacing	250.00
Jack Tanager road, surfacing	250.00
Protenburg road, surfacing	400.00
Cook road, grading	1,000.00
Coebert South road, surfacing	300.00
Rancheria road, grading	1,000.00

District No. 8	Total \$3,700.00
Antelope Creek road	3,100.00
East of Madoc road	250.00
Hamrick-Martin road	500.00
Acate Falls road	500.00
101 & Stick Lane road	1,100.00
Yankee Creek road	250.00

District No. 9	Total \$18,000.00
Laurelhurst road for grading and surfacing	16,000.00
Elk Creek road from highway up, grading and shale	3,000.00
Elk Creek Road from Trustys up, grading and shale	2,000.00
Ulrich road, widening and surfacing	1,500.00
Edmondson road, grading and surfacing	1,500.00
Moore-Morgan road, grading and shale	2,000.00

District No. 10	Total \$12,625.00
Taylor road	1,125.00
Mission Flat road	250.00
Thompson Creek road	300.00
Little Applegate road	500.00
Upper Big Applegate road	500.00
Humburg Creek road	250.00
Applegate Market road, oiling	5,000.00
Applegate-Cameron road	2,500.00

District No. 11	Total \$500.00
Upper Evans Creek road near Rybee springs	\$500.00
East Side Evans Creek road	1,000.00
West Side Evans Creek road	2,000.00
Foots Creek road	250.00
Fleider Creek road	200.00
Wards Creek road	350.00
Pleasant Creek road Williams mailbox up	700.00
Rogue River-Grants Pass	

## 'ARRAIGNED FOR MATRON'S DEATH



Nelson C. Bowles, Portland, Ore., millionaire, and Mrs. Paris, his former secretary, as they were arraigned on murder charges in connection with the stabbing of Mrs. Bowles in Mrs. Paris' apartment.

## NEW DWELLINGS WILL SUPPLANT LONDON SLUMS

LONDON (AP)—London's County Council is planning to spend \$105,000,000 for better homes in the next five years.

Many of those millions will be spent in re-housing whole areas of London's fetid slums.

For a decade London has been overcrowded, both under-housed and poorly housed. Not only London but other English cities are pushing state house building programs.

In London, excluding the section known as "The City," the authorities plan 21,670 new dwellings within the five years. In addition metropolitan borough councils plan 2,000 additional new houses, bringing the total by 1935 to 43,670.

District No. 3	Total \$6,600.00
Meridian road (surfacing)	5,500.00
Ala Vista road (grading and surfacing)	850.00
Niek Young road (surfacing)	1,000.00
Asate Dodge bridge (surfacing)	700.00
Wilfly road (surfacing)	2,300.00
Trail Creek road (surfacing and grading)	500.00
West Rogue River (grading and surfacing)	500.00

District No. 12	Total \$6,000.00
Upper Meadow road, grade and surface	\$700.00
East Meadows road, grade and surface	1,500.00
West Meadows Road, grade and surface	1,000.00
Day road, surfacing	500.00
Ramsay Canyon road, grade and surface	250.00
Springs road, grade and surface	500.00
Cass Lane, grade and surface	250.00
Sweet Lane, grade and surface	100.00
East Beagle road, grade and surface	200.00
Sardine Creek road, grade and surface	500.00
Emergency	500.00

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It will be a pleasure to serve you during 1931 as we have in the past

## 180% Increase in Business 1930

Starting the New Year is like hopping off on a new flight to establish new records. That's our way of looking at the opportunity 1931 offers. We have charted our course. We have set our goal. We are starting with a flying take-off. We know our success will come from serving the people of this community in the biggest and best way possible. So we invite you to put our service to a test today... and every day in 1931.

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