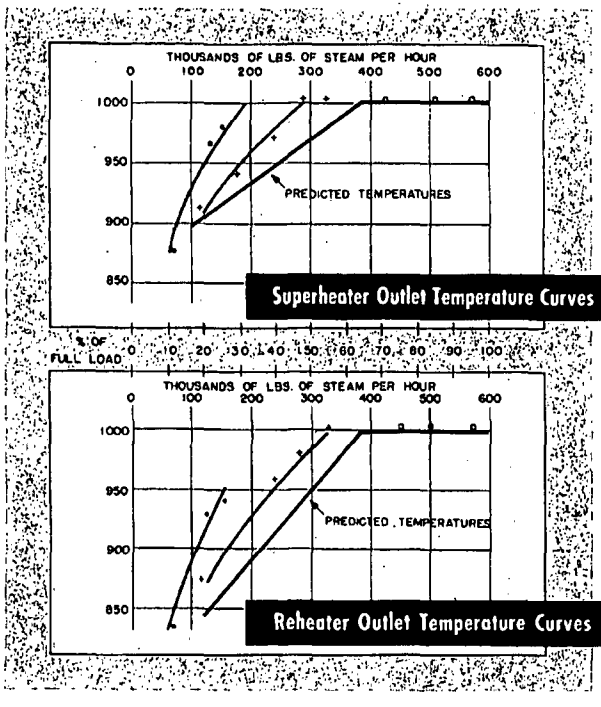
RILEY Reheat Unit at Utah Power and Light Company Maintains Constant Reheat and Superheat Temperatures

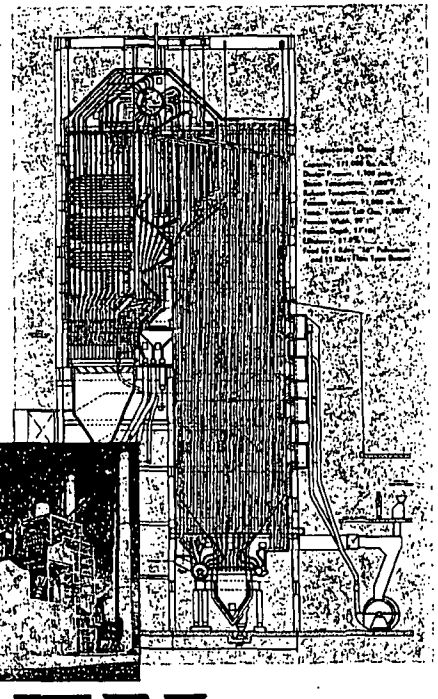
down to less than 50% load!

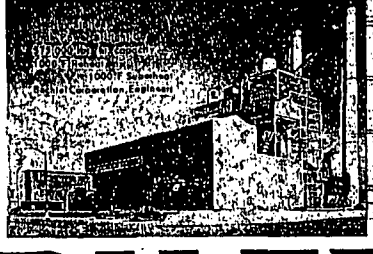


The modern Riley Reheat steam generating unit at the Gadsby Station, Utah Power and Light Company, has continued to give entirely satisfactory service without a single major alteration or adjustment since it went on the line in November 1952.

The unit is designed for a nominal turbine flow of 375,000 pounds of steam per hour and uniform total reheat and superheat temperatures of 1000°F each, with loads down to 400,000 lbs./hr. To accomplish this, primary elements of the reheater are exposed to the furnace and absorb heat by radiation. The practicability of this design has been borne out in performance with constant temperatures down to less than half load.

In addition, over-all performance was better than guaranteed with air heater exit temperatures and draft losses lower than predicted. Here is another good example of the advantages to be gained from doing business with Riley. Time after time Riley units have produced performance bonuses such as this. You, too, can possibly realize large savings in power costs by installing Riley steam generating units.





These Public Utilities Have Ordered Riley Reheat Units

Boston Lighting & Power Co.
150,000 lbs./hr. 1005°F Reheat

Iowa Electric Service Co.
150,000 lbs./hr. 1005°F Reheat

Public Service Co. of Indiana, Inc.
84,000 lbs./hr. 1005°F Reheat

Dept. of Water & Power
City of Los Angeles
150,000 lbs./hr. 1000°F Reheat

Louisiana Power & Light Company
150,000 lbs./hr. 1005°F Reheat

Plus **Over-all performance better than guaranteed with air heater exit temperatures and draft losses lower than predicted.**

A survey of your power plant by a consulting engineer will possibly show ways of making surprisingly large savings in your power cost

RILEY STOKER CORPORATION

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