

Power

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Modern Plant Yearbook Issue

MODERN PLANT SURVEY 37

New plants of 1955: Design trends, tabulated data on more than 400 steam and hydro units on order, being built, just completed

POWER'S MODERNIZATION AWARDS 59

Field-tested profit-making ideas. Listing of awards for modernization accomplishment

DIRECTORY FOR MODERNIZATION 99

Source book of power-field equipment and services: over 700 products, 1800 firms

CROSSFILE OF OBSOLESCENCE 181

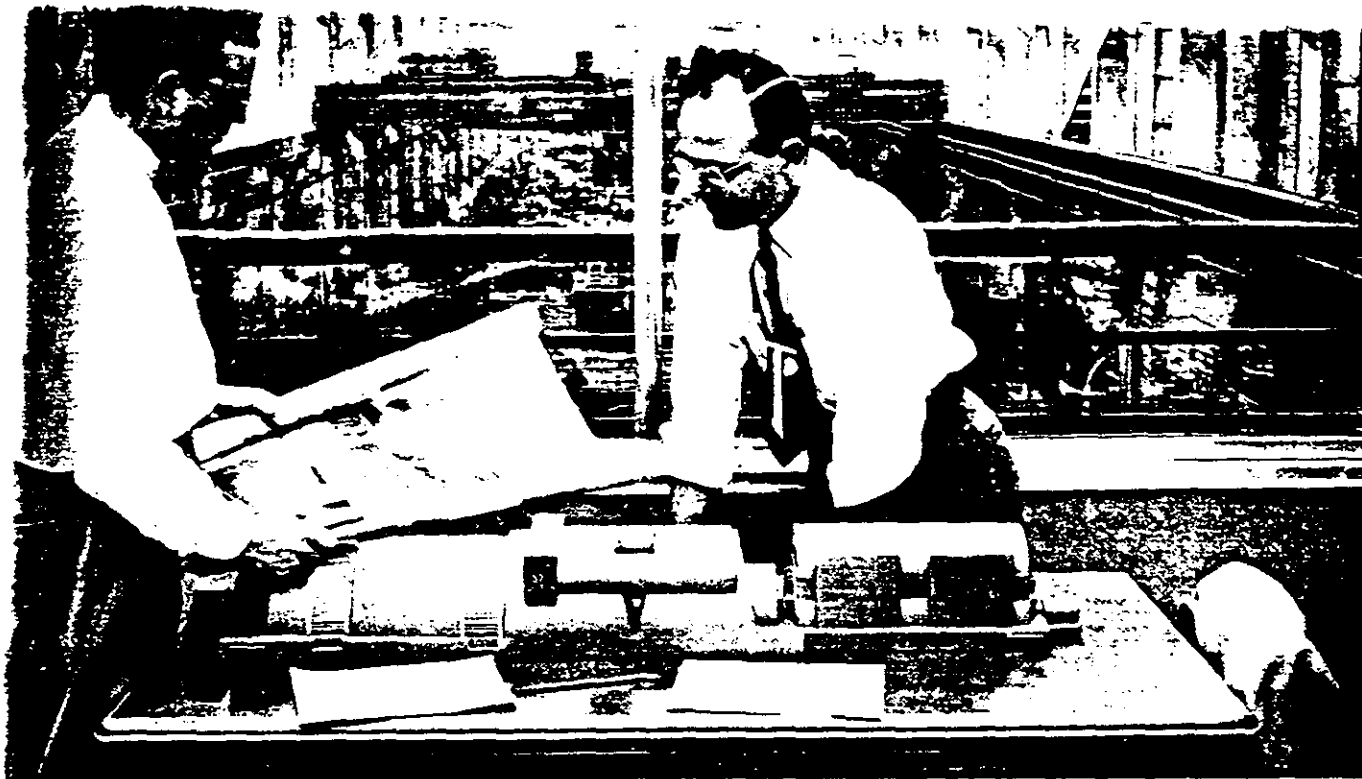
Former manufacturers of power equipment: names and addresses of successor companies

THE SHOWCASE 187

New Equipment: A review of problem-solving products, and cards for ordering more info

New Bulletins: Handy guide to literature and catalogs available at drop of a card

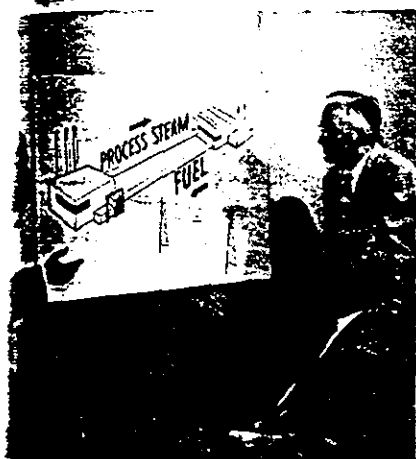
PLAINTIFF'S
EXHIBIT
GE-26



LARGEST TURBINE STEAM FLOW to date, 2,700,000 pounds of steam per hour, will be one of many advances in the General Electric turbine-generator units for the Linden station. The

model for the first Linden unit is viewed here by R. J. Stock and G. B. Cox, marketing engineers, of General Electric's Large Steam Turbine-Generator Department in Schenectady.

SALE OF PROCESS STEAM OFFERS HIGHER STATION AND SYSTEM EFFICIENCY



RESIDUAL FUEL FOR STEAM is one of many opportunities available to electric utilities for improving station and system efficiency—discussed here by C. W. Eston (Left), Manager—Turbine Engineering; R. Sheppard (Standing), Supervisor—Product Engineering; and D. J. McLane, Jr., Manager—Sales, Large Steam Turbine-Generator Department.

Low heat loss points up potentials for cutting costs

In planning for future loads, many electric utilities can profit from the advantages of the sale of steam or the trading of steam for fuel with other industries.

A recent example of the co-operative opportunity available is an agreement between Public Service Electric & Gas Co., New Jersey, and Standard Oil. In this arrangement, PSE&G's Linden plant will supply Standard's nearby Bayway refinery with steam required for refining. In return, the residues of Bayway's processes will be piped to the Linden station for fuel.

For this installation, two 225,000-kw General Electric extraction turbine-generator units will be used to produce both electricity and process steam. Since much of the waste heat will be used by the refinery, the heat rejected to the condensers

will be less than one-half of that for a normal station. Fuel costs will be reduced further as a result of the station's proximity to the refinery.

While the number of industries where such reciprocation, on a practical scale, is relatively limited, the market for process steam itself is virtually unlimited. And, many electric utilities are finding that they can satisfy industry's need for steam at lower costs than industry can produce the steam itself. For more details on these potentials, contact your G-E Apparatus Sales Representative or write to General Electric Company, Section 301-285, Schenectady 5, New York.

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