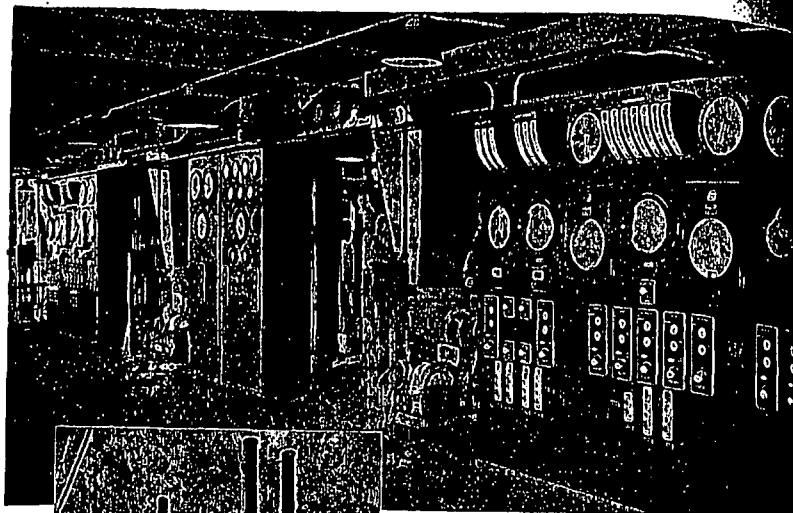


The Jamestown plant is efficient and modern, inside and out.

Control and Savings are Automatic

AT JAMESTOWN, NEW YORK
MUNICIPAL LIGHT PLANT

REPUBLIC Automatic Combustion Controls Operate Boilers at Test Efficiency to:

SAVE FUEL by maintaining maximum combustion efficiency continuously.

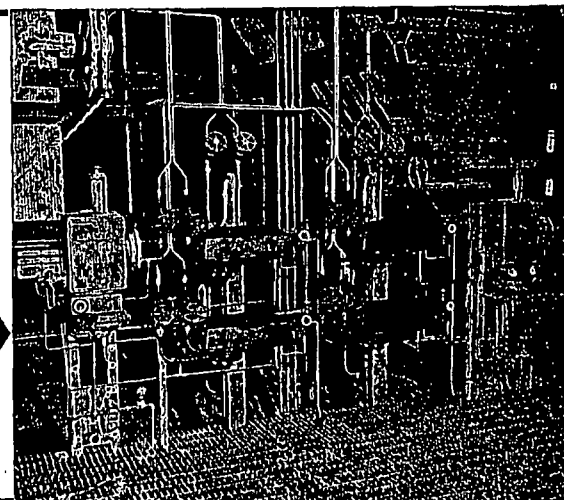
SAVE MAINTENANCE AND EQUIPMENT by holding uniform operating conditions. Chain-of-event type of trouble that frequently develops as a result of incorrect boiler operation is prevented.

SAVE MANPOWER by automatically performing many repetitive adjustments.

HIGHLY IMPORTANT during this critical power shortage, the Jamestown plant meets peak load demands because, with REPUBLIC Combustion Controls, it gets all of the steam output the plant boilers are rated for.

part of the REPUBLIC Control System that operates the boiler system can be manually operated at this location. Panel in this position contains gauges and controls for boilers. Positioners at left of panel control rate of coal feed to

Regulators and Flow meters are used in the two-boiler water control system. Water flow to the boiler is immediately with a change in steam flow or feedwater



At Jamestown, New York, Municipal Light Plant, two 150,000 lb. per hr. boilers rated at 275 and 900° F.T.T. supply steam to a 1000 kw turbine. Steam at 275 psig. and 900° F.T.T. is also supplied through a pressure-reducing and desuperheater station to an older plant.

For maximum efficiency and performance, the plant is under automatic control. Steam pressure at the turbine is maintained constant and combustion is held at maximum efficiency. Steam loads varying from 40,000 lb. per hr. to 150,000 lb. per hr. Both the Automatic Combustion Control System and the pressure-reducing and desuperheater station were furnished by REPUBLIC FLOW METERS CO.

OF MANY

but one of many power plants that rely

on REPUBLIC Instruments and Controls. For more than 37 years, REPUBLIC has specialized in the design and manufacture of automatic control systems for all sizes of power generating stations. REPUBLIC Controls are available for all types of boilers and auxiliary equipment, all kinds of fuel firing (both for single or multiple fuels) and for all load fluctuations. When you specify REPUBLIC Controls, you get the benefit of this complete line of equipment and the services of an experienced engineering staff who know how to put that equipment to use to give you the control system that best meets your requirements.

For complete information about REPUBLIC Automatic Control Systems, send for Data Book S-21 or contact our field engineer nearest you. There's no cost or obligation.

REPUBLIC FLOW METERS CO. • 2240 DIVERSEY PARKWAY • CHICAGO 47, ILLINOIS