1983 **Title:** **Effects of Operating Variables on Recovery Boiler Economics**

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Presented: 1983 TAPPI Engineering Conference, Dallas, Texas

Ref. No.: TP1983A

ABSTRACT:

The paper presents operating savings and costs in dollars, associated with some major operating variables of a kraft recovery boiler. The variables include such items as firing solids, exit temperature, combustion air temperature, black liquor quality, and reduction efficiency. The economics are based on a hypothetical 900 tons/day (816 metric t/d) bleached kraft pulp mill and include the effects of in-plant power generation and cost of fuels. The paper is intended to give the reader a guideline for improving the operating economics of existing recovery boilers.