

STEAM TIPS & ADVICE FOR PLANT ENGINEERS TO OPTIMISE STEAM GENERATION & UTILISATION

Discussions of Efficiency Technologies and Procedures.

Most Tip Sheets show how to calculate the dollar impact of efficiency implementation. These are all available in PDF format for email delivery or we can fax you a copy.

Steam Conservation Guidelines (N101)

Trapping Super Heated Steam

How to Size Steam & Condensate Lines

Steam Trap Testing Guide

Inspect and Repair Steam Traps

Estimating the Loss of Live Steam from a Failed Steam Trap.

Install Removable Insulation on Uninsulated Valves and Fittings

Insulate Steam Distribution and Condensate Return Lines

Cover Heated Open Vessels & Save Money

Benchmark the Fuel Cost of Steam Generation

Deaerators in Industrial Steam Systems

Improve Your Boiler's Combustion Efficiency

Minimize Boiler Blowdown

Return Condensate to the Boiler

Clean Boiler Water-side Heat Transfer Surfaces

Minimize Boiler Short Cycling Losses

Recover Heat from Boiler Blowdown

Consider Steam Turbine Drives for Rotating Equipment

Use Feedwater Economizers for Waste Heat Recovery

Use Low Grade Waste Steam to Power Absorption Chillers

Use Vapor Recompression to Recover Low-Pressure Waste Steam

Use a Vent Condenser to Recover Flash Steam Energy

Flash High-Pressure Condensate to Regenerate Low-Pressure Steam

How Steam Trap Selection Effects Your Bottom Line Profits

Replace Pressure Reducing Valves with Backpressure Turbogenerators

Potential Steam System Efficiency Gains

BOILERS

Boiler Tune Ups	1-2%
Heat Recovery Equipment	2-4%
Emissions Monitoring & Control	1-2%

SYSTEM OPERATION

Water Treatment	10-12%
Condensate Return	5-10%
Load Control	3-5%

DISTRIBUTION SYSTEMS

Steam Leaks	3-5%
Steam Traps	10-15%
Insulation	5-10%

TOTAL **30-40%**