



Saving with Steam Traps

Steam Trap Rebates

Industrial high pressure steam traps (over 15 PSIG):
\$200 per trap replaced.

Industrial high pressure steam traps (15 PSIG or less):
\$100 per trap replaced.

Commercial steam traps (any pressure):
\$50 per trap replaced.

Introduction

Pacific Gas and Electric Company (PG&E) offers incentives for improvements in steam trap efficiency. Steam loss can be expensive: every pound of steam per hour lost in a commercial and industrial process requires approximately 100 therms per year of energy to replace. This incentive program is designed to encourage customers to locate leaky steam traps and replace them.

What Are Steam Traps?

Steam traps are automatic valves used in every steam system to remove condensation and air while preventing or minimizing the passing of steam. When traps leak, condensation collects in process equipment which reduces the equipment's efficiency. "Water hammer" may also result – waves of water backing up and generating pressure against pipes and pipe fittings.

Who Uses Steam Traps?

Any facility that uses steam boilers probably has multiple steam traps. Small steam boilers are found in laundries, dry cleaning establishments, greenhouses, hospitals, hotels, schools and colleges, and older commercial buildings. Large industrial facilities, refineries, food processing plants and paper plants use large steam boilers with larger traps that operate at very high pressure.

How to Locate Traps That Need Replacement or Repair

The ultrasonic detection method can find steam trap leaks with both reasonable accuracy and ease of use. Many boiler

vendors that sell steam traps offer leakage surveys to their customers. Computer-enabled detectors calculate the leakage by comparing the sound in the customer's system with a sound created under similar conditions and stored in the computer's memory.

PG&E Steam Trap Rebates and Incentives

\$50 to \$200 Rebates for Trap Replacement

PG&E gas customers may be eligible for a rebate when replacing failed steam traps. A rebate for commercial steam traps of any size is \$50 per trap. Rebates for industrial steam traps, depending on pounds of steam pressure per square inch (PSIG), are either \$100 or \$200 per trap.

Calculated Incentives for Trap Retrofit

Large and industrial customers may also consider retrofitting steam traps to earn a \$1.00 per therm for the actual calculated savings for one year, or 50% of the project cost. Along with the application for this program, customers must provide a steam trap survey to identify leaky traps and provide estimates of the leakage amount, steam pressure and temperature, trap size, trap orifice size, and hours of operation.

Next Steps

To learn more about the steam trap offer or other energy efficiency rebates and incentives for your business, visit us at www.pge.com/steamtraps, contact your Account Representative or call the **Business Customer Services Center** at **1-800-468-4743**.