



PROFIRE

**PREVENTATIVE
MAINTENANCE PROGRAM**



PREVENTATIVE MAINTENANCE PROGRAM

Regular preventative maintenance is essential to ensuring the proper function and operation of natural draft production equipment.

Profire Energy's Preventative Maintenance (PM) program enables clients to maximize combustion and operational efficiencies, as well as increase safety for personnel, and protection for the environment.

COST SAVINGS

- Reduce appliance downtime
- Reduce operator call-outs
- Extend life and process capacity of equipment
- Reduce overall maintenance costs
- Optimize fuel-gas consumption

ENVIRONMENTAL AWARENESS

- Eliminate visual pollution
- Eliminate noxious odors caused by improperly set burners
- Reduce harmful emissions (i.e. carbon monoxide)
- Reduce site noise due to poor burner tuning

INCREASED SAFETY

- Improve appliance reliability
- Minimize time manually lighting burners
- Avoid equipment failure and potential damage to equipment due to firetube fatigue & rupture
- Increased safety for personnel and environment



**30% - 50%
IMPROVEMENT**

See 30% to 50% improvements in Combustion Efficiency



**99% CO
DECREASE**

Find up to a 99% decrease in CO PPM



**NO VISUAL
SMOKE**

Eliminate visual pollution such as smoke



**NO FIRETUBE
RUPTURES**

Eliminate possible firetube ruptures and collapses



12 POINT SERVICE

1. Fuel train visual inspection
2. Pre-burner tuning combustion analysis
3. Appliance shutdown
4. Service burner and pilot: removal, cleaning, orifice check -- replace main burner orifice if necessary
5. Sweep carbon and other debris build up to the bottom of the fire-tube (within reach)
6. Union installation to allow for more efficient burner servicing in the future
7. Flame arrestor inspection, including flame arrestor cell service if required (blow out with air)
8. Appliance start-up
9. Test and verify all applicable fuel train shutdowns
10. Set pressures, tune burner
11. Post-burner tuning combustion analysis
12. Combustion report completed with potential recommendations

PROGRAM DETAILS

Flat rate of \$500 per firetube, includes:

- Truck, tools, labor, travel, mileage, analyzer, and safety equipment
- Main burner orifice & 1" union
- Day work -- does not include overnight stays
- Heaters with 1" fuel trains, under 2.5MM BTU

Pricing applicable to appliances within 120 miles of the following service centers:

US ROCKY MOUNTAIN REGION

Minot ND
Greely CO
Lindon UT
Odessa/Midland TX

US NORTH EAST REGION

Tioga NY
Indiana PA

US SOUTH REGION

Victoria TX
Oklahoma City OK

TIME-TESTED, FIELD-PROVEN

LIFE-SAVING PREVENTATIVE MAINTENANCE CALL

During a routine maintenance call for a major E&P company in North Dakota, two members of the Profire service team found what easily could have been a catastrophic situation.

One of our service experts questioned the site operator on what was wrong with the treater as he noticed a 'loud vibration' noise coming from the heater. The operator's response was that he didn't think anything was wrong.

After opening the flame arrestor cell, our service expert quickly saw that the fire tube was quite literally moments from rupturing. Profire's expertise saved not only the equipment, but more importantly, human life.

The image on the right is just one of many success stories revealing the Profire teams' ability to save money, the environment, and lives.

