Industrial Burner Preventative Maintenance Payback Example

* Savings are based on performing Preventative Maintenance on only one burner *
• A Customer is running 1 burner system at 1 mmBTU/Hr and 1400 °F with 50% excess air.
• Assume the customer is getting 48% of available heat; they are dissipating 52% of the available heat.
• The customer is running on $10/mmBTU natural gas.
• .52% dissipated heat * 1mmBTU/Hr * $10/mmBTU = $5.20/Hr in unused energy.
• S&B is hired for PM and burner tune-up costing the customer $1000 and obtaining 10% excess air at 1400 °F, which is as efficient as could be expected.
- If the customer is getting 58% of available heat; they are dissipating 42% of the available heat.
- 0.42% dissipated heat * 1mmBTU/Hr * $10/mmBTU = $4.20/Hr in unused energy.
- S&B is saving customer $1.00/hr
- If customer runs burner 80 hours a week then we save them $80/week.
- The original cost to customer is $1000 thus the payback period is 12.5 weeks!
- This payback is based on gas savings for one burner only. Other benefits of PM are not included.
Thank You!

If you’d like to get a quote on an industrial burner PM, call us today at 513-367-9300 or visit:
http://www.stelterbrinck.com/burner-service-rfq.htm