

BOOSTSM

Boiler
Operation
Optimization
Savings
Test

A condensed highlight of what BOOST can do for you.



BOOST™
PREPARED FOR: SAMPLE BOOST

Prevented Cost of
\$884,471
over Ten Years

CLEVER-BROOKS INTEGRATED ENERGY SOLUTIONS

Over a decade ago we made a commitment to develop a group of energy saving products that could easily be retrofitted on existing boilers. We had a vision of making smart boilers — the foundation of the industrial Revolution — a driving factor in the green revolution. Along the way, we began to see the most efficient boiler in the world: The Super Boiler, as well as several other energy saving products with our own eyes.

Because we are the only fully integrated boiler solution provider in the industry — meaning we manufacture our own boilers, burners, combustion controls, and boiler room accessories — we are in a unique position to offer solutions that address boiler energy usage holistically, as well as serve as a single point of contact. All of our energy saving products have been designed and tested together so our Research & Design teams do you can be assured the products will integrate seamlessly with one another.

For more information visit www.clever-books.com.

BOOST PLAN

Let us show you how to save **\$884,471** in energy cost every year. The plan outlines the best energy solution for your boiler retrofit, ultimately showing us implemented this plan is a business decision and must make smart financial sense. In that end, we have prepared a comprehensive life cycle financial analysis.

We also understand that minimizing energy consumption is important to you because reducing your green gas emissions and carbon footprint is essential to be competitive in today's marketplace. If your company is not demanding this improvement, your customer probably is, implementing this plan will make a huge environmental impact.

The assumptions about your boiler room presented in this plan may need to be further refined, but think of this plan as a living document. As we verify assumptions and identify the details of the plan, the new assumptions and details can be integrated into the plan further improved. At the end, this document will serve as a guide to making an informed decision about your boiler room energy management.

CLEVER-BROOKS

Clever-Brooks is world renowned as a provider of boiler room products and systems that outperform and outlast the competition with the highest efficiency and lowest emissions. With an extensive line of Boilers, Burners, Controls and Accessories, we offer solutions for every industry — new or retrofit. We are your single source for full life cycle support including maintenance, alterations, sales and service.

To further discuss the BOOST plan, or any other boiler needs, please contact:

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BOOST is the industry's first, complete boiler room energy analysis tool.

Clever-Brooks is the only fully integrated boiler solution provider in the industry — meaning we manufacture our own boilers, burners, combustion controls, and boiler room accessories. This provides a unique opportunity to offer solutions that address boiler energy usage holistically, as well as serve as a single point of contact. Our products also augment existing systems, allowing us to retrofit your boiler room no matter what kind of system you currently run.

All our energy-saving products have been designed and tested together in our Research & Design facility, so you can be assured the products will integrate seamlessly with one another. This allows us to provide an incredibly accurate analysis of your boiler system's efficiencies and identify opportunities for improvement, even if it's not a Cleaver Brooks boiler. We call this proprietary system analysis BOOST, and it can show you how you can save hundreds of thousands of dollars.



Your total savings over ten years in real dollars



Your return on investment



Your reduction in greenhouse gases in metric tons

SAMPLE TEST

BOILER ENERGY SAVINGS SOLUTIONS						
Boiler Room Breakdown	Condensing Economizer	Stack Economizer	Advanced Linkageless Controls	High Turndown Burner	Blow Down Heat Recovery	Replace Boiler
1981 CB 600 BHP	X		X	X		

IMPLEMENTATION COST, SAVINGS AND PAYBACK			
Boiler Room Breakdown	Implementation Cost	Annual Savings	Payback
1981 CB 600 BHP	\$143,780	\$88,447	28.0 Months
Total	\$143,780	\$88,447	28.0 Months

BOOST SUMMARY

FINANCIAL ANALYSIS AND ASSUMPTIONS

PROJECT SUMMARY

Total Annual Savings: \$88,447

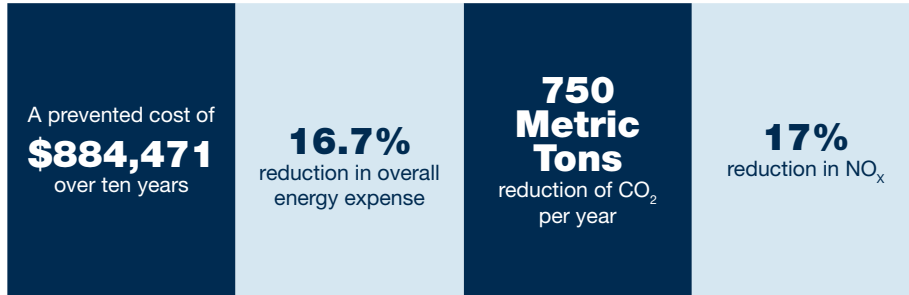
Total Implementation Cost: \$143,780

Payback: 28.0 Months
NPV: \$216,838
IRR: 40.7%

Tax Rate: 40%
Internal Discount Rate: 10.0%

PROJECT SUMMARY CASH FLOW												
Year	0	1	2	3	4	5	6	7	8	9	10	11
Total Implementation Cost	(\$143,780)											
Annual Incremental Pre-Tax Savings		\$88,447	\$88,447	\$88,447	\$88,447	\$88,447	\$88,447	\$88,447	\$88,447	\$88,447	\$88,447	\$88,447
Less Depreciation from Boiler 1		(\$14,378)	(\$25,880)	(\$20,704)	(\$16,563)	(\$13,257)	(\$10,597)	(\$9,418)	(\$9,418)	(\$9,432)	(\$9,418)	(\$4,716)
Before Tax Savings		\$74,069	\$62,567	\$67,743	\$71,884	\$75,191	\$77,851	\$79,030	\$79,030	\$79,015	\$79,030	\$83,731
Less Tax		(\$29,628)	(\$25,027)	(\$27,097)	(\$28,753)	(\$30,076)	(\$31,140)	(\$31,612)	(\$31,612)	(\$31,606)	(\$31,612)	(\$33,492)
After Tax Savings		\$44,441	\$37,540	\$40,646	\$43,130	\$45,114	\$46,710	\$47,418	\$47,418	\$47,409	\$47,418	\$50,239
Add Back Depreciations		\$14,378	\$25,880	\$20,704	\$16,563	\$13,257	\$10,597	\$9,418	\$9,418	\$9,432	\$9,418	\$4,716
Net After Tax Cash Flow	(\$143,780)	\$58,819	\$63,420	\$61,350	\$59,694	\$58,371	\$57,307	\$56,835	\$56,835	\$56,841	\$56,835	\$54,955
Cumulative Net After Tax Cash Flow		\$58,819	\$122,240	\$183,590	\$243,284	\$301,654	\$358,961	\$415,797	\$472,632	\$529,473	\$586,308	\$641,263

This sample implementation would result in:



\$88,447 savings each year

Go to cleaverbrooks.com/boost for a detailed BOOST sample and find your Cleaver-Brooks rep to schedule a BOOST analysis for your boiler today.





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