

Improved Performance and Reliability

Field Engineering and Services Improving Long-Term Performance and Reliability of Your Steam Generating Equipment



**BABCOCK POWER
SERVICES INC.**

RILEY POWER INC.

OVERVIEW

Most fossil fuel-fired boilers in the US are at, or beyond, a point in their life cycle when forced outages begin to increase and performance starts to decrease, increasing the cost of generation. Emissions are also affected by sub-par equipment performance.

The Babcock Power Services Group (BPSG), offers a variety of programs to address your aging fleet utilizing the combined engineering and field service resources of two outstanding companies: Riley Power Inc. (RPI) and Babcock Power Services Inc. (BPSI). RPI is an OEM that has been designing, building and installing steam generators and fuel firing systems for over 90 years. Babcock Power Services Inc. specializes in after market services associated primarily with non-RPI units.

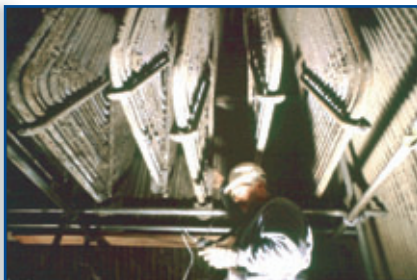
FEATURES / BENEFITS

Resident Engineer Program: Provides services to complement your plant operation and maintenance programs already in place, utilizing your operating experience and BPSG's combined expertise to develop jointly short- and long-term improvements in boiler efficiency, heat rate, reliability and availability.

- You set the program agenda and priorities.
- Your personnel are free to pursue other pressing issues.
- Receive proven and innovative solutions, benefiting from BPSG's combined experience and "lessons learned".
- Get the full service capabilities of BPSG's combined resources, with the optimum mix of new technology and practical engineering solutions.
- Provide a cost/benefit analysis to help ensure that the most economical solutions for your plant are implemented.

Block Engineering Program: Provides expert on-site and in-house engineering services along with flexible budgeting.

- Provide services of a dedicated field engineer to work with your plant staff at your site to address short- and long-term operation and maintenance problems.
- Cost effective way to obtain dedicated, expert field engineering assistance.



CONDITION ASSESSMENT



FIELD INSPECTION



BABCOCK POWER SERVICES INC.

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TEL 508-852-7100 • FAX 508-852-7548
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- You decide how you use the selected block of time.
 - Pre-outage planning, inspections, and operational checks.
 - Technical support for plant personnel.
 - Combustion optimization and performance enhancements.
 - On-site field engineering visits as well as in-house engineering assistance.

- Discounts are available for blocking time in advance.

Unit Performance Evaluation: Provides a variety of testing services and engineering studies to assess your unit's performance.

- Performed with your plant engineering and maintenance personnel to meet your performance objectives.
- Testing services include:
 - Baseline performance assessment.
 - Efficiency and heat rate improvement.
 - Fuel system balancing and combustion optimization.
 - Cycling operation and equipment turndown capability studies.

Plant Personnel Training: Create training programs to meet your immediate and long-term needs.

- Develop programs with your plant training staff to meet needs.
 - Plant site classroom or "hands on" training.
 - Regional technical seminars.
 - Video and computer-based instruction.
- Incorporate BPSG's engineering and field services experience in designing, operating and repairing all types of boilers, pulverizers, burners and other associated auxiliary equipment.

Boiler Evaluation and Assessment

Services: Provides inspection, testing, non-destructive examination (NDE), assessment and metallurgical services to utility and industrial power generation customers utilizing our diverse and extensive experience in mechanical engineering, civil engineering, metallurgy and field services.

- Perform reliable and accurate assessments of your boiler and associated auxiliaries focused on your objectives.
- Provide verbal and detailed written reports.
- Provide specific recommendations addressing testing and inspection results, component assessment, and future modifications and monitoring.

