



TURNKEY ECONOMIZER HEADER REPLACEMENT PROJECT: MAINE

LOCATION MAINE

PROJECT OVERVIEW

HRSG

No. of Units: 3

Type: Pressure level, natural circulation, horizontal flow units supplied by another OEM

SCOPE

Retrofit three (3) HRSGs in order to eliminate cracking problems in the upper sections of the tube bends

Required modifications of existing support system and HRSG casing

METHOD

Pre-fabricated the replacement headers with tube stubs

Installed a temporary module support system

Dismantled the existing support system

Removed original headers with the tube bends

Field cut and beveled the header tube stubs

Modified the original support system to handle the new header location. Installed new headers directly on top of the last tube rows in order to eliminate the bends

Re-installed the interconnecting piping, roof casing, internal insulation and sealing systems

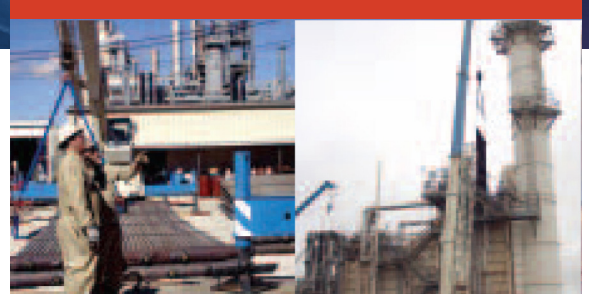
VOGT POWER ADVANTAGES

Executed permanent and most viable solution based on original and current operating conditions supplied by the customer

Eliminated originally-designed tube bends with a straight tube-to-header design

Supplied engineering, material, construction and supervision services

State-of-the-art construction procedure to expedite the construction time



AFTERMARKET PRODUCTS

- HRSG spare parts
- Access doors
- Complete modules
- Bare and finned tubes and headers
- Steam drums
- Heat exchangers
- Valves/instruments
- Control systems
- Diverter valves/dampers
- Burner management systems
- Environmental controls (CO/NOx systems)
- Freeze protection
- Inspection services
- Computational Fluid Dynamics (CFD) analysis capabilities
- Performance testing
- Casing seals
- Casing and insulation
- Expansion joints
- Pressure vessels
- Feedwater heaters
- Rolled cylinders
- Deaerators
- Stacks
- Return On Investment (ROI) analysis
- Thermal studies
- Pipe stress

