



# Engineer's Certificate Boiler Reheat Section Pressure Parts

## Sheldon Station Unit 1

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NPPD Board of Directors Meeting &  
Operations Committee  
June 2025

Art Wiese - Vice President, Energy Production



Nebraska Public Power District

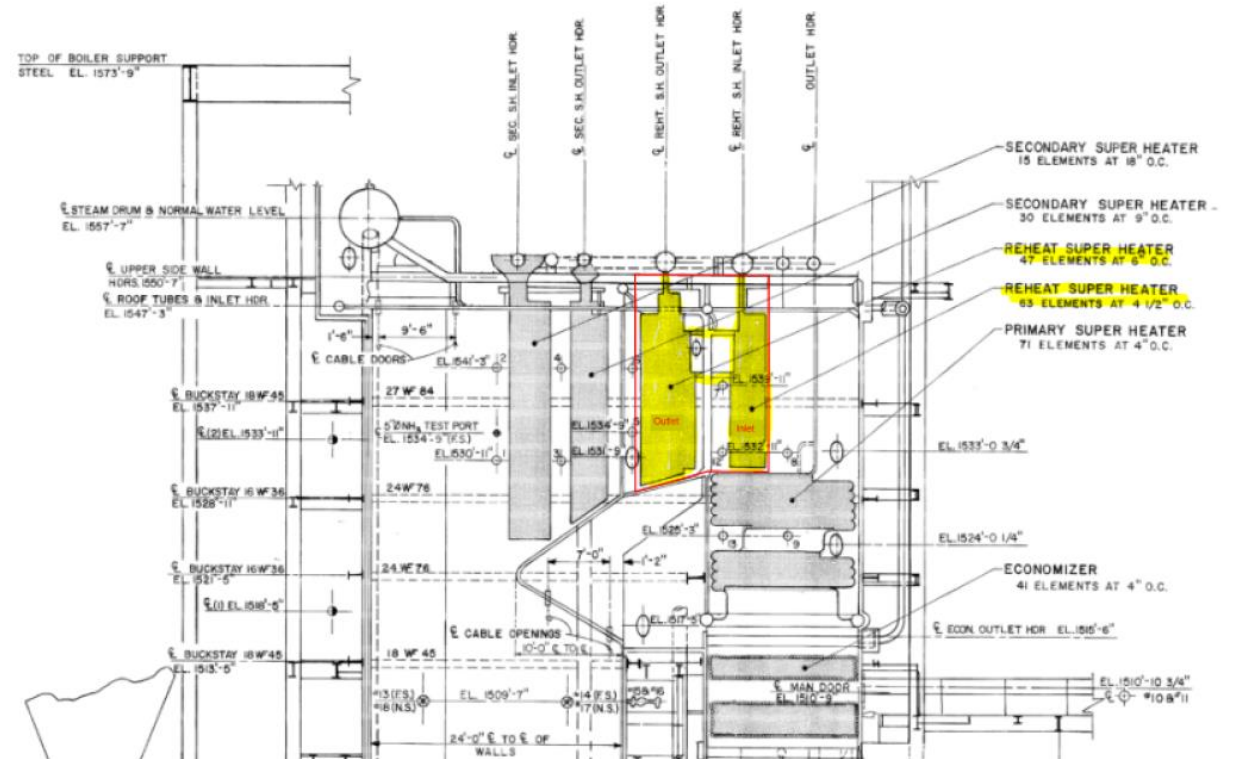
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# Background

The reheat section of the Sheldon Station Unit 1 boiler has been in service since 1965 and its condition has deteriorated:

- Tube alignment parts have failed, which allows tubes to move/block flow and makes cleaning difficult and tube failure repairs more likely.

# Background (Cont'd)



Yellow highlighted area above shows the extent of the replacement

# Scope

- Services necessary to design, fabricate and deliver all pressure parts, material and related attachments and supports for complete replacement of:
  - ✓ Sixty-three (63) inlet and forty-seven (47) outlet panels resulting in a complete replacement of the reheater section.
  - ✓ All wall and section support and alignment castings.
  - ✓ All furnace roof membrane, crown seal and tube materials needed to allow installation access.
- Delivery is scheduled to support the Fall 2026 outage.

# Basis for Engineer's Certificate

Design basis, detailed arrangement, drawings, and technical specifications of the Unit 1 boiler are proprietary to Babcock and Wilcox Company (B&W)

- ✓ B&W is the original equipment manufacturer of the Unit 1 boiler including the reheat section. Due to these proprietary design details along with the complexity of the overall arrangement of the panels, B&W is the sole source for these materials.

# Recommendation

Approve Engineer's Certificate and authorize management to negotiate and award a contract not to exceed \$3,000,000, plus performance bond costs, to Babcock & Wilcox Company, for the Sheldon Station Unit 1 Boiler Reheat Section.





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## Questions

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