

POWER GENERATION

OVERVIEW

Pivotal has experience servicing pumps for Nuclear, Coal, Combined Cycle, Biomass, Geothermal and Concentrated Solar Power (CSP) generation facilities nationwide. Our team of experts understand the unique pumping applications within each of these complex systems.

Applications

- Boiler Feed Water Pumps
- Steam Generator Feed Water Pumps
- Circulating Water Pumps
- Condensate Water Pumps
- Heater Drain Water Pumps
- Service Water Pumps
- Cooling Water Pumps
- Turbine Lube Oil Pumps
- Ash Sluice Pumps
- Molten Salt Pumps
- Heat Transfer Fluid (HTF) Pumps
- Fire Protection Pumps

Challenge

The unexpected failure of a boiler feed pump at a 650 MW coal-fired power plant causes the unit to reduce output by 50%, costing the power utility roughly \$30,000 per hour in lost generation revenue. Unfortunately the plant does not own a spare that can be installed in place of the failed pump. The OEM is contacted and proposes a standard repair lead time of 8-10 weeks, which if selected would result in \$40M-50M in total lost generation revenue for the utility.

The Pivotal Solution

Instead, the plant selects Pivotal Pumps. Our team of field service technicians rapidly deploy to the plant to assist with the removal of the damaged pump. The pump is then placed on a dedicated truck, utilizing team drivers, and delivered directly to Pivotal's headquarters in Sussex, WI. Our expert team of pump repair professionals rapidly assess the damage and identify necessary repairs. Parts are expedited through our manufacturing operations, the pump is reassembled and reinstalled at the plant. The entire process was conducted in slightly less than 2 weeks, saving the utility \$30M-40M when compared to the OEM repair option.