

Field Operations: Fossil Turbine Generator Services

When you need steam plant repair or maintenance services, you'll find the expertise you need at TVA's Power Service Shops.

With more than 200 generating units in the TVA system – which includes hydro, fossil, pumped-storage, nuclear and combustion plants – we know power generating components inside and out. Our turbine services are turnkey, providing a complete solution to your problem.



No matter what kind of generating system you have, the Power Service Shops staff knows your equipment. While working on your system, we bring everything up to the latest OEM (original equipment manufacturer) standards. We can even provide certified crane operators to support the work on your machines.

Our services include:

- Nondestructive testing, blast cleaning, and coating of rotors, diaphragms, blades, and cylinders
- Steam-path assessment and reconditioning
- Laser and optical alignment of internal components
- Ultrasonic testing of babbitt to steel bonding
- 16-point coupling alignment
- Accelerated oil flushing with Turbo-Toc filtering systems
- Precision bolt torque techniques
- Valve stem and bushing clearance tests
- Turbine and generator upgrades.



Our major overhauls include inspection and repair of:

- Servo motors
- Generator and turbine bearings
- Generator rotors and stators
- Coupling faces and journals.



TVA has been in the power business for more than seven decades. That means a level of expertise honed over millions of work-hours at every type of plant and facility. Put that experience to work for your plant by contacting us today.

www.tvapowerserviceshops.com

