

**Our mission:**

To strive for excellence in providing the highest quality maintenance and refurbishment services to TVA generating plants and external customers while being a safe, cost-effective, self-sustaining business unit.



TVA has been in the power business **since 1933**. 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 you by contacting us today.



[www.tvapowerserviceshops.com](http://www.tvapowerserviceshops.com)



Tennessee Valley Authority

# POWER SERVICE SHOPS

*Backed by Over 75 Years of Experience*



## POWER SERVICE SHOPS

At TVA's Power Service Shops, we've been repairing and refurbishing power system components for more than 75 years. We understand power generation and distribution systems from top to bottom, and we have the know-how and tools to keep them going.

The Power Service Shops provide comprehensive maintenance and repair services for TVA's diverse generating system, as well as for other utilities and industries. Whether you have a scheduled or an unforeseen outage, we'll help you get back to business efficiently and cost-effectively by managing the repair of any problem – at our location or yours.

We're conveniently located in north Alabama at Muscle Shoals, within easy reach by rail, river barge, truck, or air of nearly every generating facility in the U.S.

### Unmatched experience

TVA's Power Service Shops are one of the largest repair facilities of their kind in the country.

We understand the importance of careful planning, and we have the most up-to-date software to schedule and monitor an entire job from start to finish. Our scheduling and project-control departments start planning well in advance of a job to ensure that everything from personnel to equipment is right there when it's needed.

If you have a forced outage, we will mobilize to your site within 12 to 48 hours. Our skilled craftsman, foremen and supervisors have the skills and experience to perform virtually any repair, modification or major overhaul at your location. As soon as the problem is identified, we'll get to work on a solution.

### Unsurpassed expertise

Our workforce includes highly trained, experienced people who are ready to help you get back to business. With a focus on safety and a dedication to doing it right the first time, our team of over 500 experts has the skills to be successful.

Electrical, mechanical, civil and nuclear engineers as well as professional, specialized craftsmen and project managers are at your service. In addition, the technical expertise of other TVA groups is available if needed.

### Unparalleled equipment

With 750,000 square feet of working space, TVA's Power Service Shops are equipped with state-of-the-art technology and equipment to ensure precise, high-quality work every time.

Our 50-plus cranes range in capability from three to 400 tons, and we maintain a fully equipped fleet of turbine maintenance tool units stocked with a variety of general and specialized tooling. In addition, we have a complete transportation fleet to ship parts and equipment to and from your site.

### Total project execution

We pride ourselves on safely and effectively managing our clients' projects from problem identification to successful work completion. We're not happy until your components are back in place and your station is cleaned up and ready for operation. We can even provide supervision for on-site equipment testing to ensure a smooth start-up.

#### Our services

Our expertise is wide-ranging, as the following list of shop and field services shows:

#### Electrical Shop Services

In our motor shop, we repair and rewind all types of electric motors, from fractional horse-power models to the largest motors in any system. We can repair all of your plant instrumentation, including cleaning, testing and calibration critical to the safe operation of any facility. In addition, we refurbish potential and current transformers up to 500 kV and electrical bushings up to 161 kV.

#### Mechanical Shop Services

Our machine shop can repair all types of bearings, apply specialized coatings to turbine components, and fabricate motors, fans and pump shafts. We perform over 100 different machining operations using mobile equipment, so that almost any task can be performed at your location.

#### Structural Fabrication Shop Services

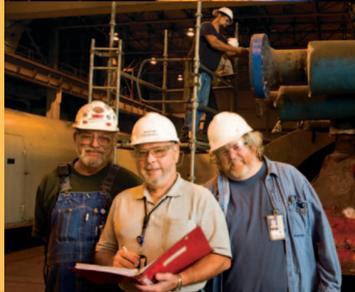
Our boilermakers, steamfitters, sheet-metal workers and ironworkers can fabricate just about anything you might need, from coal chutes to pressure vessels to expansion joints to sluice and wicket gates.

#### Hydro Plant Field Services

We perform every facet of hydro plant maintenance and repair, whether it's routine service, a complete overhaul, equipment upgrades or diving inspections.

#### Steam Plant Field Services

We repair your equipment and bring everything up to the latest OEM standards, using such methods as steam path audits, stem and bushing clearance tests, and nondestructive testing, cleaning and coating of rotors, blades and cylinders.



Our highly trained and experienced workforce of more than 500 is ready to address your needs quickly and efficiently, with unmatched, top-quality workmanship.



