

SWITCHGEAR MAINTENANCE & TESTING

Carter Power Systems provides comprehensive testing and maintenance services for your electrical power systems, ensuring compliance with NETA and NFPA 110 standards while optimizing reliability and efficiency.

We recommend conducting annual inspections of your switchgear to prevent failures and maintain compliance with NFPA 70B. If our equipment experts detect any problems, you'll receive a detailed report with recommendations for repairs or preventive measures.

WHY CHOOSE CARTER MACHINERY?

- ✓ **Industry Expertise** – We are a trusted partner with 50+ years of experience in power systems maintenance
- ✓ **Support When You Need It** – We offer 24/7 emergency support to keep your systems running
- ✓ **Certified Compliance** – All services meet NETA & NFPA 110 standards for safety and reliability
- ✓ **Proactive Maintenance = Cost Savings** – Reduce downtime, prevent failures, and extend equipment life
- ✓ **Tailored Solutions** – Customized service plans based on your facility's specific needs. *See reverse side for more information.*

WHY REGULAR MAINTENANCE MATTERS

Routine inspections and preventive maintenance help reduce operating costs, extend equipment life, and ensure peak performance of your power systems. Our comprehensive testing and maintenance services include:

- Generators
- Load Banks
- Circuit Breakers
- ATS & UPS Systems
- Protective Relays
- Infrared Imaging
- Switchgear



CALL 800.835.1166

SCHEDULE YOUR SWITCHGEAR MAINTENANCE TODAY!

www.CarterMachinery.com/Service-Maintenance

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SWITCHGEAR MAINTENANCE LEVELS

Ensure the reliability and compliance of your electrical power systems with Carter Machinery's expert maintenance and testing services.

LEVEL 1 ESSENTIAL INSPECTION & TESTING

- Visual inspection for moisture, carbon tracking, corona, overheating, and insulation deterioration
- Check and replace failed indicator lights and fuses
- Verify operation of space heaters (if applicable)
- Clean interior and exterior control cubicles
- Review event logs and advise on corrective actions
- Inspect protective relays and sensing devices
- Conduct Infrared Thermography Scan

Customer Report Provided:

- Service checklist with recommendations
- Benchmark analysis against NETA Standards

LEVEL 2 ADVANCED SWITCHGEAR & CIRCUIT BREAKER MAINTENANCE

All Level 1 services plus:

- Ground resistance inspection
- Insulation resistance testing
- System function testing
- Control power transformer inspection
- Battery inspection (PLC and Station)

Circuit Breaker Testing:

- Visual and mechanical inspection
- Clean, lubricate, and check for damaged parts
- Measure resistance across contacts and conduct DC insulation resistance test
- Perform primary/secondary injection testing

Customer Report Provided:

- Service checklist with recommendations
- Detailed checklist of service performed
- Comprehensive analysis benchmarked to NETA Standards

LEVEL 3 FULL-SPECTRUM SWITCHGEAR & RELAY TESTING

All Level 1 & Level 2 services plus:

- Protective relay inspection (clean and inspect relay case)
- Download and verify relay settings against coordination study or owner-supplied settings
- Perform relay testing in accordance with NETA and manufacturer's specifications

Customer Report Provided:

- Service checklist with recommendations
- Full analysis aligned with NETA Standards
- Comprehensive analysis benchmarked to NETA Standards

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