

Switchgear

Maintenance Testing

**Total
Power
Solutions**



Switchgear Level 1

Perform basic inspection on switchgear components and controls.

- Inspect for visual signs of moisture, carbon tracking, corona*, overheating, and insulation deterioration.
- Inspect and replace all control panel indicator lights and fuses as needed.
- Verify operation of space heaters, if applicable.
- Clean the exterior of control cubicles. Clean interior and remove accumulated dust and dirt.
- Check protective relays and protective sensing devices for any fault indications
 - Log and report all fault indications found.
 - Reset fault indicators only with the permission of the customer's authorized representative.
- Review event logs and advise corrective action, if needed.
- Test switchgear operation
- Perform Infrared Thermography scan(See Infrared Thermography Programs)

Customer Report Provided:

- ✓ Documentation to include completed checklist of service performed with recommendations for any areas requiring additional service
- ✓ Complete analysis of data collected, benchmarked to NETA Standards

Carter Machinery's Total Power Solutions program provides testing & maintenance programs for your complete Electrical Power Systems needs and conforms to the NETA and NFPA 110 standards

**Generators
Circuit Breakers
Protective Relays
Switchgear
Load Bank Testing
ATS
UPS
Infrared Imaging
Fluid Sampling
Emissions Testing
Fuel Quality Management**

Maintenance and inspection programs help reduce operating costs and increase the reliability of your equipment.

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Carter 

* Corona- An electrical discharge phenomenon occurring in gaseous substances, such as air