

# SUBSTATION MAINTENANCE

[EXPANSELECTRICAL.COM](http://EXPANSELECTRICAL.COM)

## Keep Your Power Delivery Assets Operating Safely with Maintenance Services from Expanse

Expanse Power Services, a division of Expanse, delivers predictive and preventative maintenance services to ensure continual safe operation of substation systems from 34.5kV through 345kV. Our solutions include equipment commissioning, testing, inspection, repair and replacement, facility maintenance inspections and emergency restoration.

Expanse Power Services' testing solutions verify the integrity and security of existing systems and equipment. Our goal is to proactively support our clients to avoid outages and unnecessary damage by finding, repairing, and correcting any deficiencies before they impact transmission, distribution or substation equipment/operations.

If an electrical emergency does arise, our experienced field team is available 24 hours to respond and restore power to the electrical system in a safe manner as quickly as possible, minimizing operational impact.

### POWER MAINTENANCE SOLUTIONS & FIELD SERVICES BENEFITS



#### *The Expanse Advantage*

- Turnkey Services
- In-House Engineering
- Commission, Test & Maintain What We Install



# Capabilities & Solutions

## SUBSTATION MAINTENANCE SERVICES

- Environmental Mitigation and Compliance
- Storm Hardening
- Foundation Rehab
- Breaker/Relay Repair and Replacement
- CT/PT replacement
- Wiring Replacement
- Switch Adjustments
- Substation Battery Maintenance
- Switchgear and Bus Duct Cleaning
- Complete Transformer & LTC Maintenance and Repair Services
- 24/7 Emergency and Storm Response

## INSPECTION & TESTING FIELD SERVICES

- Annual, Quarterly, and Monthly Maintenance Program Inspections
- Substation Battery Inspections
- Infrared Surveys and Analysis
- Oil and Gas Analysis and Leak Detection
- Substation Apparatus Testing Including Transformers, VTs, PTs, CCVTs and Arresters
- Switchgear and Bus Duct Inspection and Testing
- Protective Relay Testing and Calibration Including Electro-Mechanical, Solid State and Microprocessor
- Meter Calibration
- Motor and Generator Testing
- EHV, HV, MV & LV Circuit Breaker Testing
- Grounding Systems Testing and Analysis
- HV, MV & LV Cable Testing and Fault Locating
- System and Equipment Fault Analysis Power System and Disturbance Monitoring & Analysis
- Acceptance Testing & Commissioning



## Why Expanse?

<ul style="list-style-type: none"><li>• 24/7 Emergency Response</li><li>• 70+ Years of Experience</li><li>• Turnkey Services &amp; Solutions</li></ul>	<ul style="list-style-type: none"><li>• In-House Engineering Department</li><li>• Experienced Craftsmen</li><li>• Local Expertise on National Scale</li></ul>	<ul style="list-style-type: none"><li>• Customer Support Across Geographical &amp; Operational Spectrums</li></ul>
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**EXPANSE**  
ELECTRICAL CO.

### NEW MEXICO

Carlsbad

### NORTH DAKOTA

Williston

### OKLAHOMA

Oklahoma City • Tulsa

### TEXAS

Andrews • Big Spring • Houston  
Midland • Odessa • San Angelo

### FOR MORE INFORMATION

832.699.2474