

ELECTRICAL TESTING & ENGINEERING SERVICES

General Field Services

Electrical System Troubleshooting and Repair
Preventative Maintenance of Electrical Apparatus
Insulation Resistance Testing (All Voltage Classes)
High Potential Testing (HiPot)
Low, Medium and High Voltage Cable Testing
Very Low Frequency (VLF) and Tan-Delta Testing
Ground Fault Systems
Motors & Generators (Inrush, Vibration
& Surge Comparison Testing)
Uninterruptible Power Supplies (UPS)
Batteries (UPS, Controls, etc.)
Automatic Transfer Switches
Testing, Repair and System Upgrades
Variable Speed / Frequency Drives (VFD's)
Kilowatt Hour Meter Calibration
Fused Switches
Upgrades / Replacements

Power Generation & Substations

Station-Class Breaker Testing
Protective Relay Calibration
Paralleling Switchgear
On-Line Partial Discharge Testing
Power Generators

Transformers

Insulation Power Factor Testing (Doble)
Transformer Turns Ratio Testing (TTR)
Insulation Resistance Testing
Sweep Frequency Response
Oil Sample Analysis
Auxilliary Device Testing

Grounding

Ground Resistance Testing and Modeling
Soil Resistivity Testing and Modeling

Circuit Breakers

Low, Medium, & High-Voltage Class
Static Trip, Vacuum, SF6 - Retro-Fit / Rebuild
Trip Units - Retro-Fit / Upgrades
SF6 Gas Leakage Testing and Repair



SOUTHWEST ENERGY SYSTEMS

WWW.SOUTHWESTENERGYSYSTEMS.COM

Energy Services

Wind Energy Systems
Photo-Voltaic (PV) Systems
Voltage / Load Recordings
Energy Cost Analysis Management
Energy Savings Assessment and Opportunities
Feasibility Studies
Peak Shaving and Load Shedding Assessment
Energy Project Implementation
Performance Base Lining
Infrared Thermography (IR Scanning)

Studies

Arc-Flash / Incident Energy Studies
Short Circuit Studies
Coordination Studies
Load Flow Analysis
Line Disturbance Analysis
Transient Stability Studies
Harmonic Studies
Power Factor Analysis
Power Quality Measurements
Motor Starting Impact Studies
Distributed Generation Inter-Tie Studies

Field Evaluations

Code Compliance
Listing and Labeling of Products
(TUV Rheinland of N. America)



Schedule
Contract GS-21F-0057X



24-HOUR EMERGENCY SERVICE (866) 573-7625

ARIZONA • CALIFORNIA • COLORADO • NEW MEXICO • NEVADA • TEXAS • UTAH