



# ABM Electrical Power Solutions

## 24-Hour Emergency Service



### Electrical Asset Management Program

- Proactive life cycle management of electrical distribution systems & assets
- Customized life cycle assessment, testing, maintenance, engineering, modernization & replacement
- Standards & code compliances
- NFPA 70E & 70B, NETA, OEM, & industry standards
- Guaranteed asset protection
- Customized personnel safety & systems training

### Acceptance Testing, Startup & Commissioning

- NETA accredited company
- NETA certified technicians & engineers
- Specialty startup & commissioning
- Protective devices set to coordinated values
- Point to point wiring checks
- Utility transmission & distribution commissioning
- Medium voltage cable splicing & terminations

### Engineering Services

- NFPA 70E arc flash study
- Short circuit & coordination studies
- Protection & control system design
- Electrical system one lines
- Complete CAD capabilities
- Load flow & load shedding analysis
- Electrical system life cycle assessment
- Energy audits
- Transient & dynamic stability analysis
- Motor starting studies

### Power Quality Services

- Harmonic design studies, investigations/analysis
- Grounding and neutral system analysis
- Transient voltage measurement
- Load survey & ampacity measurement
- Power factor analysis
- Remote monitoring
- Lightning protection system inspection

### Reliability & Maintenance Services

- Maintenance & reliability testing services
- Distribution services for low, medium & high voltage equipment including inspection, testing, maintenance & calibration
- Specialty services
  - High voltage equipment – transformers, breakers, reclosers & relays
  - Infrared scan & partial discharge/ultrasonic inspection
  - Dielectric transformer & breaker fluid analysis
  - Complex protective relay systems

### Emergency System Services

- Generator load testing
- Automatic transfer switches
- UPS/battery
- Power transfer systems

### Upgrade, Modernization & Life Extension Services

- Electrical distributions system equipment & assets
- Critical equipment including:
  - Protective relay upgrades
  - Switchgear/switchboards & motor control centers
- Transformer leak repair, fluid & PCB remediation and replacement

### ATS & Circuit Breaker Overhaul Services

- Full re-manufacturing capability
- Parts location for obsolete equipment
- Retrofill/retrofit into existing cabinets

### Personnel Safety Training

- Compliant with NFPA 70E, 70B & OSHA standards
- Low & high voltage certifications

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